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BT

SECTION I

(16th EDITION)

LABORATORY FITTINGS

CONTAINING

PLANS OF LABORATORIES
BENCHES, FUME CUPBOARDS
GAS AND WATER TAPS
SINKS AND CHANNELS

BAIRD & TATLOCK (LONDON) LTD.

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Instrument Works:

HIGHAM LODGE, BLACKHORSE LANE, WALTHAMSTOW

EASTERN BRANCH (Office, Warehouse, Showroom and Repair Shop)
Avenue House, Chowringhee Square, CALCUTTA, INDIA

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P.O. Box 240, PALMERSTON NORTH

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IN compiling this New Edition of our Standard Catalogue in Sectional Form, our aim has been to make it as convenient as possible for our clients to find any article they want, in the minimum space of time. Below will be found an outline of the Contents of each Section:—

SECTION I.—Typical examples of Benches, Fume Cupboards, Taps and Sinks, and is meant as a guide to clients when designing their laboratories.

SECTION II.—Apparatus required for the permanent equipment of a laboratory such as Balances, Furnaces, Ovens, Pumps and Stills alphabetically arranged.

SECTION III.—Ordinary apparatus required for laboratory use, such as Glassware, Porcelain Ware, Filter Paper and Graduated Ware, etc. These are also arranged alphabetically.

SECTIONS IV and V.—Thermometers and Pyrometers and heat-recording apparatus for all purposes.

SECTION VI.—Special apparatus scientifically grouped and arranged for all branches of Physico-Chemical Work.

SECTION VII.—Refractometers, Spectroscopes and Polariscopes.

SECTION VIII to SECTION XIV.—Specialised apparatus of all descriptions such as is required for Scientific and Industrial Research Laboratories as detailed in the Section Summary.

SECTION XV.—Apparatus for all the branches of Meteorology, etc.

SECTION XX.—Models for Anatomical work; a fuller and complete catalogue is sent on application.

SECTION XXI.—Apparatus for Botany and Entomology.

SECTION XXII.—A full range of British and Foreign Microscopes, Epidiascopes, Episcopes, and Cameras for scientific purposes.

SECTION XXIII to SECTION XXVI.—Special apparatus for Bacteriology, Histology, Microscopy, Pathology and Biochemistry such as Microscope Slides, Cover Glasses, Microtomes, Incubators, Autoclaves, Embedding and Wassermann Baths, etc.

SECTION XXVII to SECTION XXVIII.—Special apparatus for Physiology, Pharmacology and Psychology.

Lists of Technical books and Index complete the whole range of Apparatus Standard Catalogue Vol. I, II, III. Vol. IV is still



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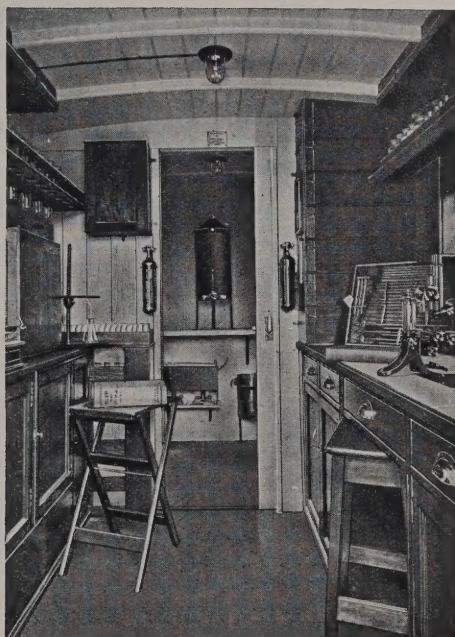


BAIRD & TATLOCK (LONDON) LIMITED

SECTION
I
LF

LABORATORY FITTINGS

SECTION I.
16th EDITION.



Interior of Mobile Bacteriological Laboratory, built and equipped by us.

By

BAIRD & TATLOCK (LONDON) LTD.

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NEW ZEALAND:
A. C. EVANS,
P.O. Box 240,
PALMERSTON NORTH

EASTERN BRANCH:
Office, Warehouse, Showroom and Repair Shop
Avenue House, Chowringhee Square,
CALCUTTA, INDIA

CANADA:
WILSON SCIENTIFIC INSTRUMENT CO.,
59 Wellington Street, West,
TORONTO, 2

For Other Agencies see Preface to Catalogue.

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MANUFACTURERS OF LABORATORY FITTINGS

[1933?]

LABORATORY FITTINGS

We are always pleased to advise clients on the most suitable equipment and apparatus, including :—

- | | |
|------------------------------|---|
| (1) Water System. | (6) Driving Gear. |
| (2) Gas System. | (7) Vacuum Installation. |
| (3) Drainage System. | (8) Refrigerating Plant. |
| (4) Central Heating. | (9) Ventilation and Exhaust System. |
| (5) Electrical Installation. | (10) Internal Fittings suitable for different Laboratories. |

The following illustrations which are given may serve as a guide in the fitting up of new laboratories. They are, however, only a few selections from various patterns which we have made. Any pattern of bench can be made to order. On receipt of a ground plan of the proposed laboratory, we shall be pleased to forward sketches showing the arrangement for benches, etc., which we would recommend.

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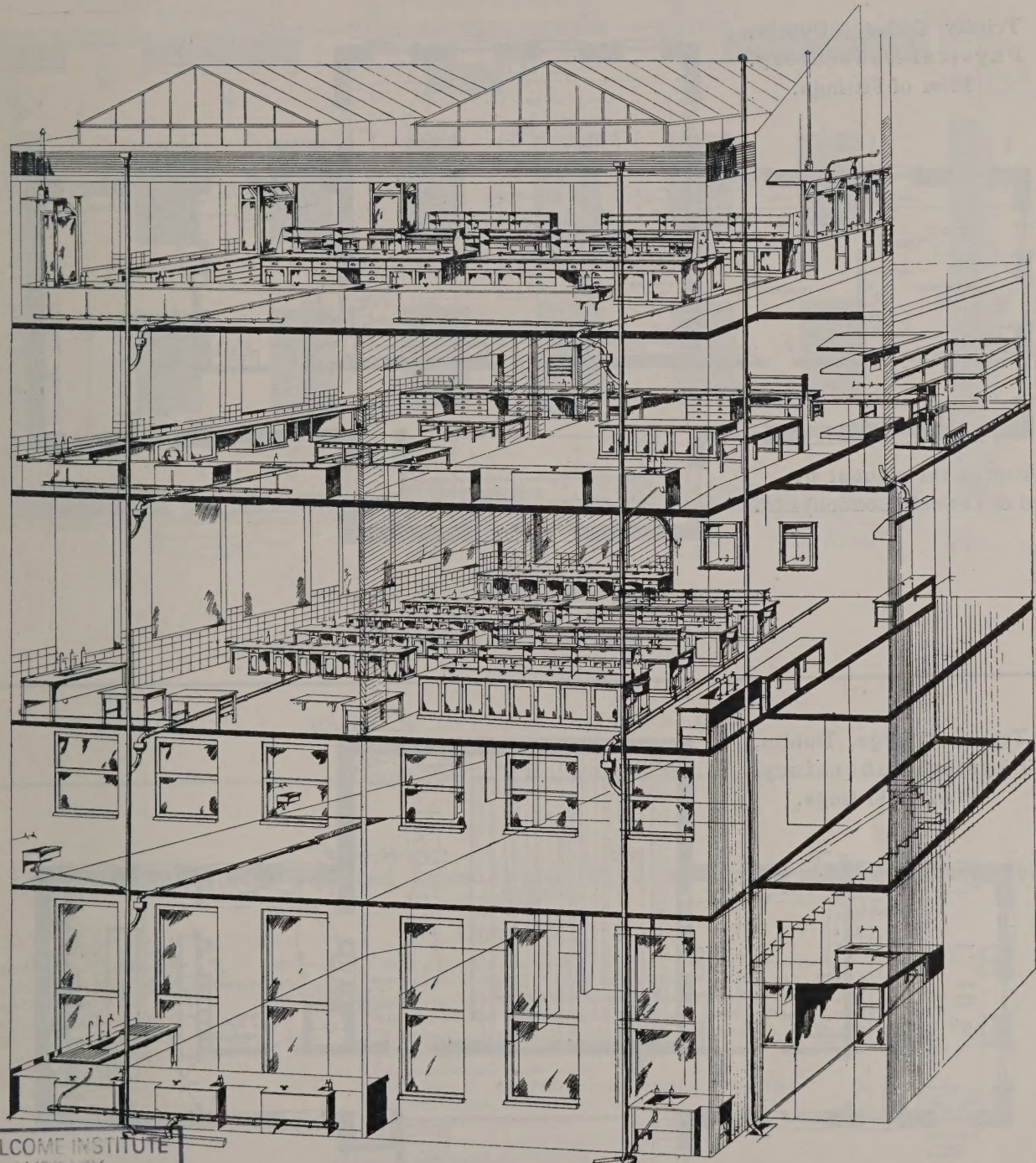
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SECTION
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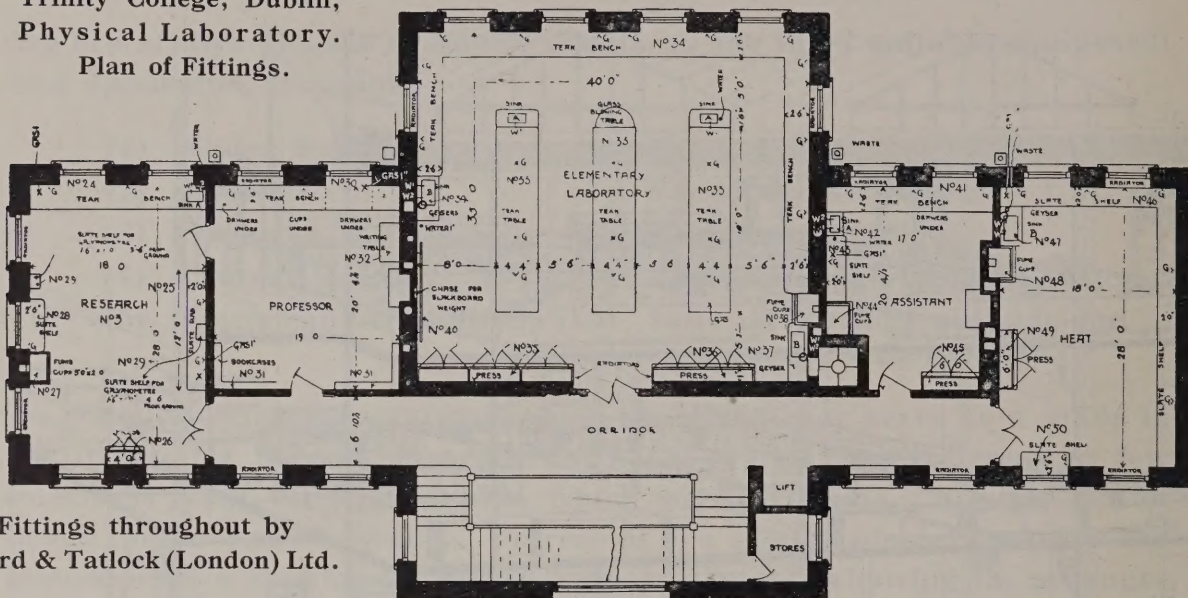
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THE MEDICAL UNIT LABORATORIES
(At the Cardiff Royal Infirmary)
WELSH NATIONAL SCHOOL OF MEDICINE

Architect: E. Stanley Hall, M.A., F.R.I.B.A.

Estimates given for all kinds of Laboratory Fittings, upon receipt of ground plan.

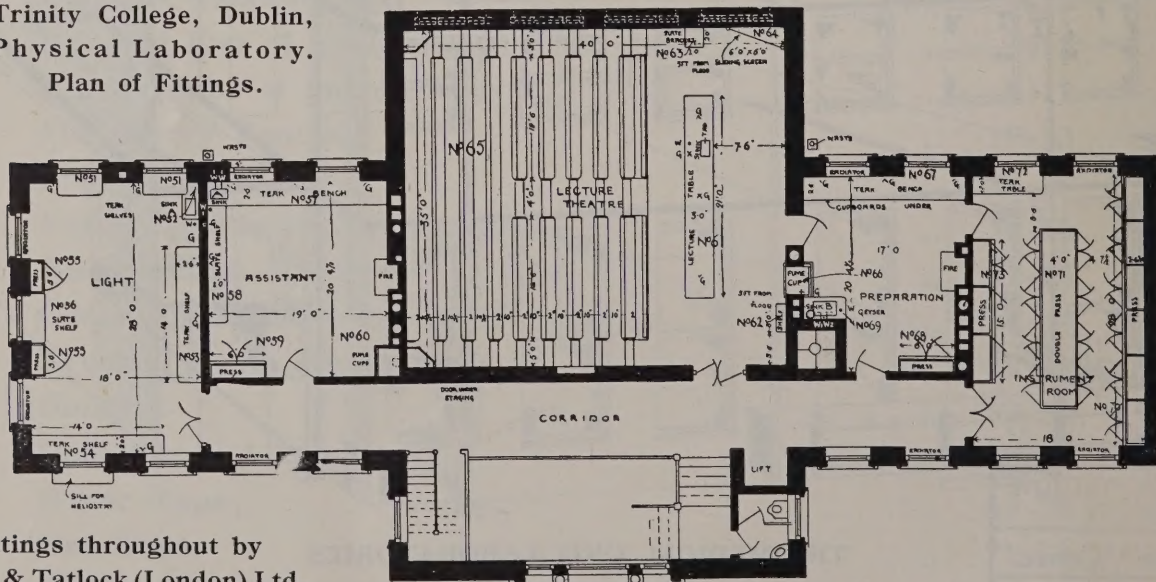
Trinity College, Dublin,
Physical Laboratory.
Plan of Fittings.



Fittings throughout by
Baird & Tatlock (London) Ltd.

FIRST FLOOR PLAN

Trinity College, Dublin,
Physical Laboratory.
Plan of Fittings.



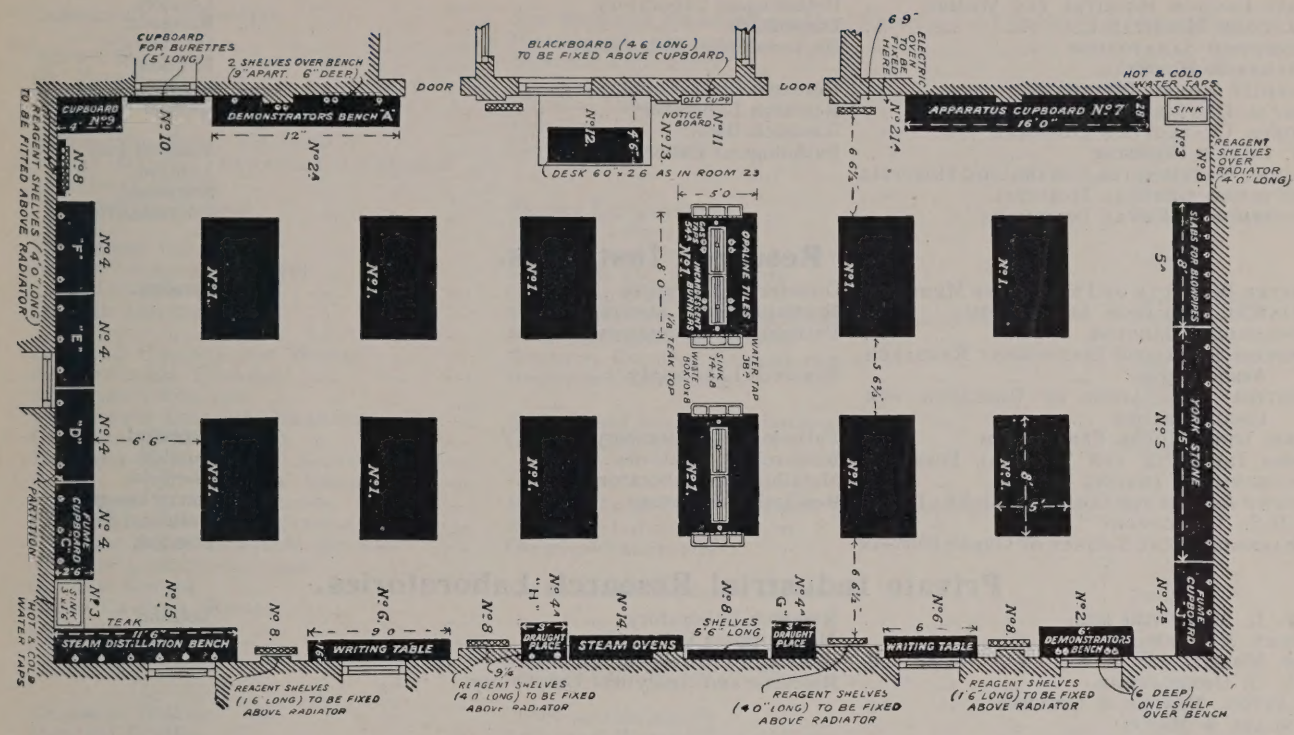
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SECOND FLOOR PLAN



BAIRD & TATLOCK (LONDON) LIMITED

SECTION
LF



Ground Plan of Chemical Laboratory
Sir JOHN CASS TECHNICAL INSTITUTE
As fitted up by
BAIRD & TATLOCK (LONDON) LTD.

A List of Laboratories selected from those fitted up by us during recent years

Hospitals.

HAMPSTEAD HOSPITAL	.....	Bacteriological Laboratory	.....	.....	.....	London.
St. BARTHOLOMEW'S HOSPITAL	.....	Pathological and Physical Laboratory	.....	.....	.....	"
LONDON HOSPITAL	.....	Pathological and Bacteriological Laboratory	.....	.....	.....	"
MIDDLESEX HOSPITAL	.....	Bacteriological Laboratory and Cancer Research Laboratory	.....	.....	.....	"
WESTMINSTER HOSPITAL	.....	Pathological and Bacteriological Laboratory	.....	.....	.....	"
St. GEORGE'S HOSPITAL	.....	Pathological and Chemical Laboratory	.....	.....	.....	"
INFANTS' HOSPITAL	.....	Bacteriological Laboratory	.....	.....	.....	"
St. MARY'S HOSPITAL	.....	Pathological Chemical Laboratory and Dispensary	.....	.....	.....	"
CANCER HOSPITAL	.....	Bacteriological Laboratory	.....	.....	.....	"
BOLINGBROKE HOSPITAL	.....	Pathological Laboratory	.....	.....	.....	"
ROYAL WATERLOO HOSPITAL	.....	Bacteriological Laboratory	.....	.....	.....	"
HOMOEOPATHIC HOSPITAL	.....	Pathological Laboratories	.....	.....	.....	"
ROYAL CHEST HOSPITAL	.....	Pathological Laboratories and Research Laboratory	.....	.....	.....	"
CHARING CROSS HOSPITAL MEDICAL COLLEGE	.....	Pathological Laboratories	.....	.....	.....	"
KING'S COLLEGE HOSPITAL	.....	Clinical, Histological, Pathological and Research Laboratories	.....	.....	.....	"
SUSSEX COUNTY HOSPITAL	.....	Pathological and Bacteriological Laboratories	.....	.....	.....	Brighton.
CIRENCESTER HOSPITAL	.....	Chemical and Research Laboratories....	.....	.....	.....	Cirencester
CHEADLE ROYAL INFIRMARY	.....	Pathological Laboratory	.....	.....	.....	Cheadle.
WEST END HOSPITAL	.....	Pathological Laboratory	.....	.....	.....	London.
BROMPTON HOSPITAL	.....	Bacteriological Laboratory	.....	.....	.....	"
LONDON TEMPERANCE HOSPITAL	.....	Bacteriological Laboratory	.....	.....	.....	"

EAST LONDON HOSPITAL FOR WOMEN	....	Pathological Laboratory	....	....	....	....	London.
RANGOON HOSPITAL	....	Dispensary	....	....	....	....	Rangoon.
PINEWOOD SANATORIUM	....	Bacteriological Laboratory	....	....	....	....	Pinewood.
BELGRAVE HOSPITAL	....	"	....	....	....	....	London.
CARDIFF ROYAL INFIRMARY	....	Research Block Laboratories	....	....	....	....	Cardiff.
ROYAL DENTAL HOSPITAL	....	Research Laboratory	....	....	....	....	London.
QUEEN CHARLOTTE'S HOSPITAL	....	Research Block	....	....	....	....	"
ST. LUKE'S HOSPITAL	....	Pathological Laboratory	....	....	....	....	Muswell Hill.
ROYAL WESTMINSTER OPHTHALMIC HOSPITAL	....	"	....	....	....	....	London.
SOUTHEND GENERAL HOSPITAL	....	"	....	....	....	....	Southend.
PORTSMOUTH ROYAL INFIRMARY	....	"	....	....	....	....	Portsmouth.

Research Institutes.

LISTER INSTITUTE OF PREVENTIVE MEDICINE	....	Directors' Laboratory	....	....	....	....	London.
CLINICAL RESEARCH ASSOCIATION	....	Bacteriological Laboratory	....	....	....	....	"
ZOOLOGICAL GARDENS	....	Pathological Laboratory	....	....	....	....	"
BRITISH SCIENTIFIC INSTRUMENT RESEARCH ASSOCIATION	....	Research Laboratory	....	....	....	....	"
BRITISH ASSOCIATION OF RESEARCH FOR COCOA TRADES	....	"	....	....	....	....	"
NEW DUFF HOUSE SANATORIUM	....	Pathological Laboratory	....	....	....	....	Scotland.
ROSS INSTITUTE FOR TROPICAL DISEASES	....	Research Laboratories	....	....	....	....	London.
GOVERNMENT TESTING HOUSE	....	Metallurgical Laboratory	....	....	....	....	Sheffield.
CROWN AGENTS FOR COLONIES, SIERRA LEONE	....	Research Laboratory	....	....	....	....	Sierra Leone.
H.M.S. "DISCOVERY"	....	"	....	....	....	....	Falkland Islands.
PHARMACEUTICAL SOCIETY OF GREAT BRITAIN	....	"	....	....	....	....	London.

Private Industrial Research Laboratories.

DR. L. MOND (the late)	....	Research Laboratory	....	....	....	....	London.
RILEY & HARBORD	....	Metallurgical Laboratory	....	....	....	....	"
DR. MORITZ	....	Brewing Research Laboratory	....	....	....	....	"
DR. O. OBERLANDER	....	Research and Analytical Laboratory	....	....	....	....	"
CLAYTON, BEADLE & STEVENS	....	"	....	....	....	....	"
SINDALL & BACON	....	"	....	....	....	....	"
DR. ALEX. SCOTT	....	Private Research Laboratory	....	....	....	....	"
DR. RIDEAL	....	"	....	....	....	....	"
DR. WILLIAMS	....	Bacteriological Laboratory	....	....	....	....	Woodhall Spa.

Government and Official Laboratories.

IMPERIAL INSTITUTE	....	Chemical Laboratory	....	....	....	....	London.
ROYAL MILITARY ACADEMY	....	"	....	....	....	....	Woolwich.
ROYAL NAVAL COLLEGE	....	"	....	....	....	....	Greenwich.
METROPOLITAN WATER BOARD	....	Chemical and Bacteriological Laboratories	....	....	....	....	London.
LOCAL GOVERNMENT BOARD	....	Chemical and Pathological Laboratories	....	....	....	....	"
INDUSTRIAL MUSEUM	....	Research Laboratory	....	....	....	....	"
ADMIRALTY ENGINEERING LABORATORY	....	"	....	....	....	....	"
GORDON MEMORIAL COLLEGE	....	Bacteriological and Chemical Laboratory	....	....	....	....	Khartoum.
NILE FLOATING LABORATORY	....	Bacteriological and Chemical Laboratories	....	....	....	....	"
CHESTERFIELD CORPORATION	....	General Laboratory	....	....	....	....	Chesterfield.
COUNTY LABORATORIES	....	Chemical Laboratory	....	....	....	....	Chelmsford.
CITY LABORATORY	....	Analytical Laboratory	....	....	....	....	Leicester.
CITY POWER STATION	....	Research Laboratory	....	....	....	....	Nottingham.
GOVERNMENT PAVILION, WEMBLEY	....	Royal Society's Exhibit, Ministry of Health	....	....	....	....	London.
CROWN AGENTS FOR THE COLONIES	....	Textile Research Laboratory	....	....	....	....	Millbank.
UNION OF SOUTH AFRICA	....	Pack Bacteriological Laboratory	....	....	....	....	South Africa.
BOROUGH OF CHESTERFIELD	....	Sewage Disposal Laboratory	....	....	....	....	Chesterfield.
ROYAL INSTITUTION	....	Davy-Faraday Laboratory	....	....	....	....	London.

Universities, Colleges and Schools.

BIRKBECK INSTITUTE	....	Chemical and Metallurgical Laboratories	....	....	....	....	London.
THE UNIVERSITY OF LONDON	....	"	....	....	....	....	South Kensington.
ST. JOHN'S COLLEGE	....	"	....	....	....	....	Battersea.
BROWN INSTITUTION	....	Bacteriological Laboratory	....	....	....	....	Wandsworth.
COLLEGE OF DOMESTIC SCIENCE	....	Chemical Laboratory	....	....	....	....	London.
UNIVERSITY COLLEGE, LONDON	....	Physiological Institute Laboratories	....	....	....	....	"
"	....	Chemical Laboratory	....	....	....	....	"
"	....	Pharmacological Laboratory	....	....	....	....	"
"	....	Chemical Physiological Laboratory	....	....	....	....	"
SIR JOHN CASS TECHNICAL INSTITUTE	....	Chemical and Physical Laboratories	....	....	....	....	"
ST. MARK'S COLLEGE	....	Physical Laboratory	....	....	....	....	Chelsea.
YOUNG MEN'S CHRISTIAN ASSOCIATION	....	Chemical and Physical Laboratories	....	....	....	....	London.
KING'S COLLEGE FOR WOMEN	....	Chemical, Physical, Bacteriological, Histological, Biological, Physiological, Psychological, Hygiene and Kitchen Laboratories	....	....	....	....	"
IMPERIAL COLLEGE OF SCIENCE	....	Chemical and Physical Laboratories	....	....	....	....	"
QUEEN'S COLLEGE	....	Physiological and Pathological Laboratories	....	....	....	....	Belfast

CAMBRIDGE UNIVERSITY	.....	New Museums, Bacteriological and Pathological Laboratories	Cambridge.
"	.....	Histological Laboratory	"
KING'S COLLEGE	.....	Chemical Laboratory	Canterbury.
ST. PAUL'S COLLEGE	.....	"	"
TRINITY COLLEGE	.....	Physical Laboratory	Dublin.
"	.....	Botanical Laboratory	"
ROYAL HOLLOWAY COLLEGE	.....	Chemical Laboratory	Egham.
ROYAL MEDICAL BENEVOLENT COLLEGE	.....	"	Epsom.
HARLOW COLLEGE	.....	"	Harlow.
UNIVERSITY COLLEGE	.....	Physics Laboratory	Southampton.
"	.....	Chemical Laboratory	"
WESTFIELD COLLEGE	.....	Chemical and Botanical Laboratories	London.
KING'S COLLEGE (STRAND)	.....	Geological, etc., Laboratory	"
THE UNIVERSITY	.....	Oil Research Laboratory	Birmingham.
OXFORD UNIVERSITY	.....	The Institute of Agricultural Research Laboratories	Oxford.
"	.....	Pharmacological Laboratory	"
BEDFORD COLLEGE FOR WOMEN	.....	Research, Chemical Laboratories, etc.	London.
AGRICULTURAL COLLEGE	.....	Research Laboratories	Wye.
ST. MARY'S COLLEGE	.....	"	London.
UNIVERSITY COLLEGE, READING	.....	Agricultural Research Laboratories	Reading.
LATYMER UPPER SCHOOL	.....	Chemical and Physical	London.
HOLBORN ESTATE BOYS' SCHOOL	.....	"	"
" GIRLS' SCHOOL	.....	"	"
MERCHANT TAYLORS' SCHOOL	.....	Physical Laboratory, Botanical Laboratory and Museum	"
JAMES ALLEN'S GIRLS' SCHOOL	.....	Botanical Laboratory	"
WILLIAM ELLIS ENDOWED SCHOOL	.....	Chemical Laboratory	"
CITY OF LONDON COLLEGE	.....	"	"
COUNTY SCHOOL	.....	Chemical and Physical Laboratories	Ashford.
CAIRO CAVALLA SCHOOL	.....	"	Cairo.
CRANLEIGH SCHOOL	.....	"	Cranleigh.
COUNTY SCHOOL	.....	Chemical Laboratory	Ebbw Vale.
"	.....	Chemical and Physical Laboratories	Harrow.
"	.....	"	Hendon.
GRAMMAR SCHOOL	.....	Chemical Laboratory	Fowey.
HARROW SCHOOL	.....	Advanced Chemical Laboratory	Harrow.
GRESHAM SCHOOL	.....	Chemical and Physical Laboratories	Holt.
LANSING COLLEGE	.....	"	Lancing.
GRAMMAR SCHOOL	.....	Chemical Laboratory	Marlborough.
BRADFIELD COLLEGE	.....	Chemical and Physical Laboratories	Reading.
READING SCHOOL	.....	"	"
GIRLS' HIGH SCHOOL	.....	Chemical Laboratory	Sheffield.
ST. FELIX SCHOOL	.....	"	Southwold.
SURBITON HIGH SCHOOL	.....	"	Surbiton.
COUNTY SCHOOL	.....	"	Tredegar.
URSULINE CONVENT	.....	"	Waterford.
WINCHESTER SCHOOL FOR GIRLS	.....	"	Winchester.
EASTMAN'S NAVAL ACADEMY	.....	"	"
NORTH LONDON COLLEGIATE SCHOOL	.....	"	London.
CONVENT OF OUR LADY OF ZION	.....	General Science Laboratory	" (Bayswater).
THE CONVENT, CROWN HILL	.....	Chemical Laboratory	Willesden.
KING EDWARD SCHOOL, WITLEY	.....	"	Witley.
GODOLPHIN SCHOOL	.....	"	Salisbury.
ST. PETER'S COLLEGE	.....	"	Peterborough.
DULWICH COLLEGE	.....	Biological Laboratory	London.
TAUNTON SCHOOL	.....	Chemical, Physical, Advanced Chemical Laboratories, etc.	Taunton.
MINING DEPARTMENT, THE UNIVERSITY, BIRMINGHAM	.....	Mining Laboratory	Birmingham.
OIL DEPARTMENT, "	.....	Oil Research Laboratory	"
RADLEY COLLEGE	.....	Science Laboratories	Abingdon.
MEDICAL RESEARCH COMMITTEE	.....	Cancer Research Laboratory	Mill Hill, N.W.
THE CONVENT, NEW HALL	.....	Chemical Laboratory	Chelmsford.
KENNINGTON GIRLS' SCHOOL	.....	"	London.
PRESENTATION BROTHERS COLLEGE	.....	"	Cork.
THE LADIES' COLLEGE	.....	"	Hastings.
CITY OF LONDON COLLEGE	.....	"	Moorfield, London.
HURSTPIERPOINT COLLEGE	.....	"	Sussex.
GIRLS' HIGH SCHOOL	.....	New Science Laboratories	Bedford.
LORD WANDSWORTH MEMORIAL SCHOOL	.....	Agricultural Laboratories	Long Sutton.
CONSTANTINE TECHNICAL COLLEGE	.....	Chemical and Physical Laboratories	Middlesbrough.
CATERHAM SCHOOL	.....	"	Caterham.
UNIVERSITY OF SOUTH WEST ENGLAND	.....	"	Exeter.
ST. SWITHUN'S SCHOOL FOR GIRLS	.....	"	Winchester.

Commercial Undertakings.

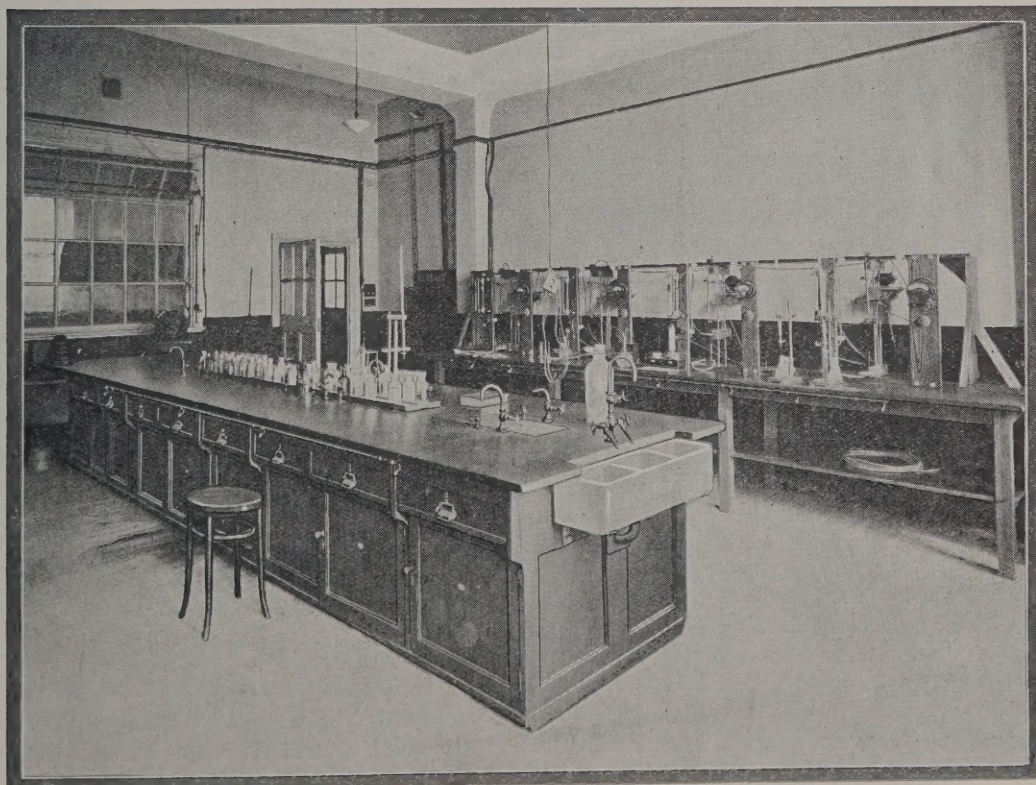
MESSRS. BORROUGHS, WELLCOME & Co.	.....	Chemical Laboratories	.....	London.
" CAMPHOR LIMITED	.....	Research Laboratories	.....	"

War Time Units.

Photographs of a few of the Laboratories equipped by
Baird & Tatlock (London) Ltd.



Chemical Laboratory at Sir John Cass Technical Institute.



Chemical Physical Laboratory.



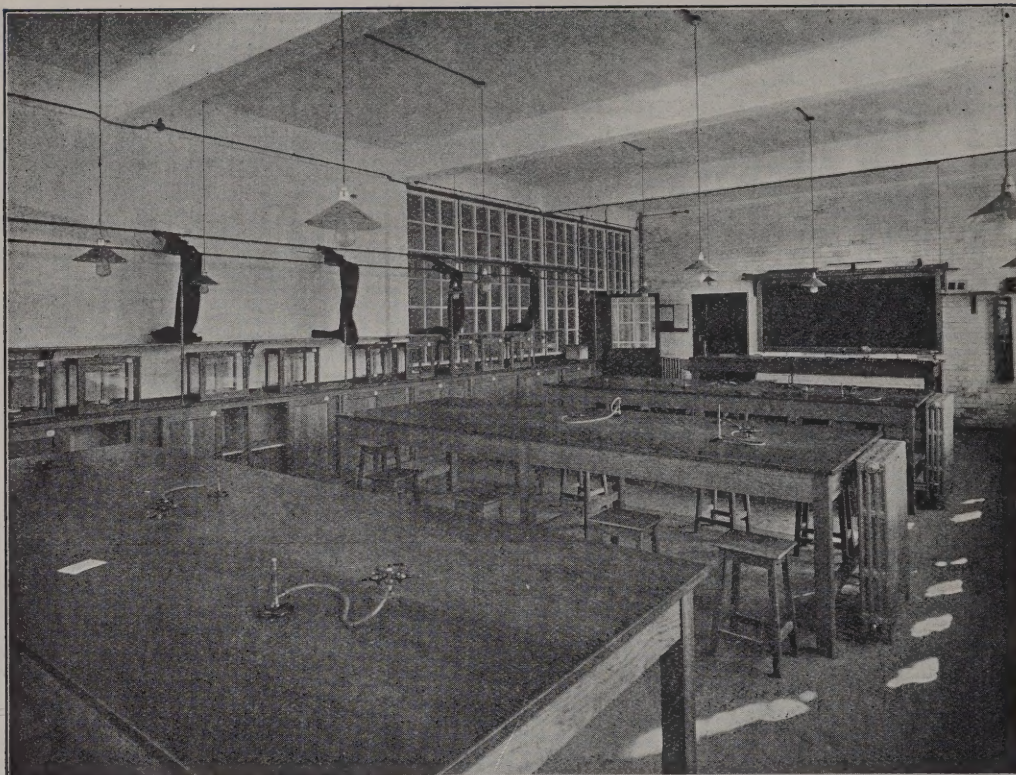
Bacteriological Laboratory, King's College for Women.



Chemical Physiological Laboratory, University College, Dublin.



Experimental Physiological Laboratory, University College, London.



Elementary and Advanced Physics Laboratories, War Memorial Buildings,
Taunton School, Taunton.



Girls' School Chemical Laboratory, North London Collegiate School.



Farm Laboratories of the National Institute of Medical Research, Mill Hill.



The Research Laboratories of Radiation Ltd.



Works Laboratory, Messrs. Bowater's Paper Mills Ltd.



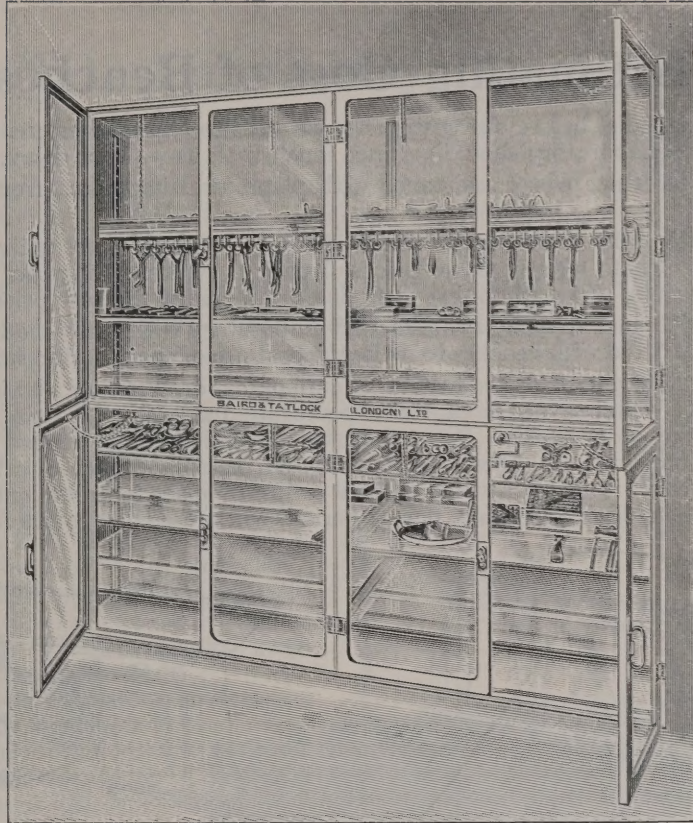
Research Laboratory, Messrs. Kolynos Incorporated.



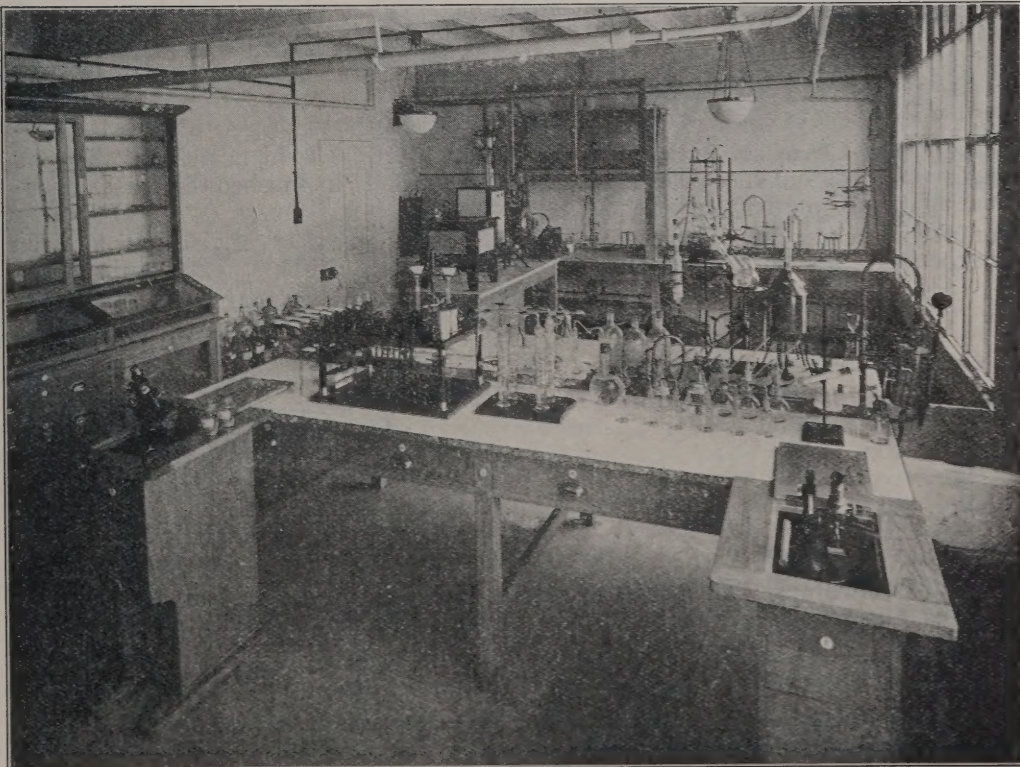
Private Chemical Pathological Laboratory.



Research Laboratories, Messrs. Cellon Ltd., Kingston,
Fitted with Solacite Tops.



Instrument Cupboards of all types made to order.



Research Laboratory of Messrs. Peter Jackson (Tobacco Manufacturer) Ltd.
equipped by Baird & Tatlock (London) Ltd.

Estimating Cost of Benches

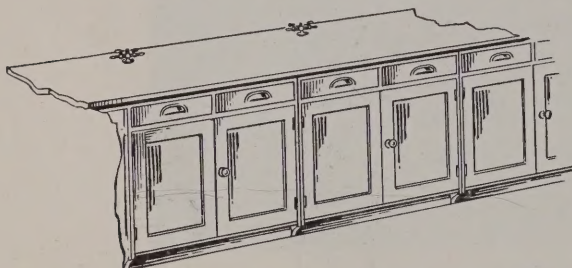
IN placing our new Fittings list before our customers, we wish to express our great desire that all those contemplating fitting out a Laboratory should get into touch with us without delay.

We are prepared to give them every assistance with plans, drawings, etc., from our records without any obligation on their part.

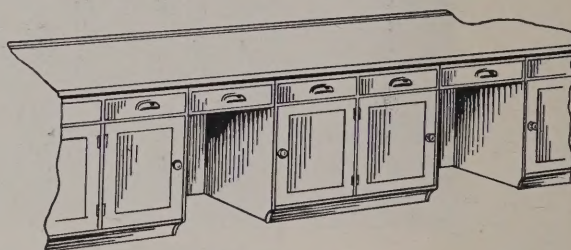
There are some, however, who wish to get a rough idea as to probable cost without committing themselves to an enquiry, and for their benefit we give below prices of various typical fittings per foot run. We would point out that no extras such as taps, sinks, plumbing or fitting are included in these prices.

It is usually an impossible task to make a satisfactory Laboratory with ready made fittings. Each room, and each part of a room has to be fitted with benches to make the best use of space and to suit individual requirements.

It is not advisable to allow the mass production of cupboards, drawers, etc., to influence the efficiency of a Laboratory for the sake of a small saving in capital expenditure, but a standard size of drawers and cupboards throughout a Laboratory may reduce costs. What that standard size is must depend on the Laboratory, as one inch greater or smaller throughout a number of cupboards, on the total length of a bench, may make just the difference which causes inconvenience for a works chemist or loss of space for a student. Any cramping in space in this way will cause a loss in efficiency which, over a period, will more than counteract any initial saving.



Pattern A



Pattern B

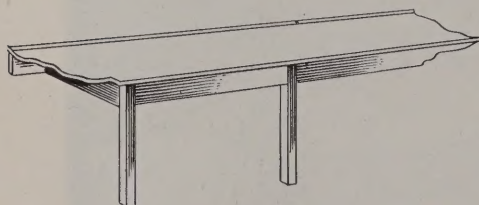
Pattern A Chemical Laboratory Wall Benching, 36 in. high, with drawers and double cupboards, teak top, $1\frac{1}{8}$ in. finished thickness, underframing of oak or pitch pine with teak covering at back of top.

For Benching 2 ft. 6 in. wide	....	....	....	per foot run	d £2	2	0
As above for Benching 2 ft. 3 in. wide	....	....	....	"	d £2	0	0
Double Benching as above 4 ft. 6 in. wide with end doors	....	....	....	....	d £4	0	0

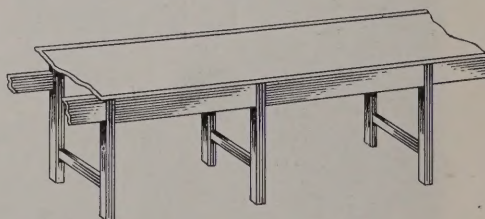
Pattern B Biological or Chemical Laboratory Wall Benching, 30 in. high, with drawers and single cupboards and knee holes as illustrated, teak top $1\frac{1}{8}$ in. finished thickness, underframing of oak, and teak covering at back of top.

For Wall Benching 2 ft. 3 in. wide	....	....	....	per foot run	d £2	7	0
Any of the above backed for use as Centre Bench	....	....	....	extra per foot run	d £0	6	0

All taps, sinks, channels, fitting and plumbing, **extra**.



Pattern C



Pattern D

Pattern C Physical Laboratory Wall Benching, 36 in. high, teak top, $1\frac{1}{8}$ in. finished thickness, legs and rails of oak specially constructed with solid finish for delicate experiments.

Benching 2 ft. 6 in. wide	....	....	....	per foot run	d £0	16	0
As above for Benching 2 ft. 3 in. wide	....	....	....	"	d £0	14	6

Pattern D As above, but with legs back and front so as to be suitable for centre benches.

For Benching 2 ft. 6 in. or 2 ft. 3 in.				per foot run extra	d £0	3	0
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All taps, sinks, channels, fitting and plumbing, **extra**.

B.T.L. Laboratory Benches

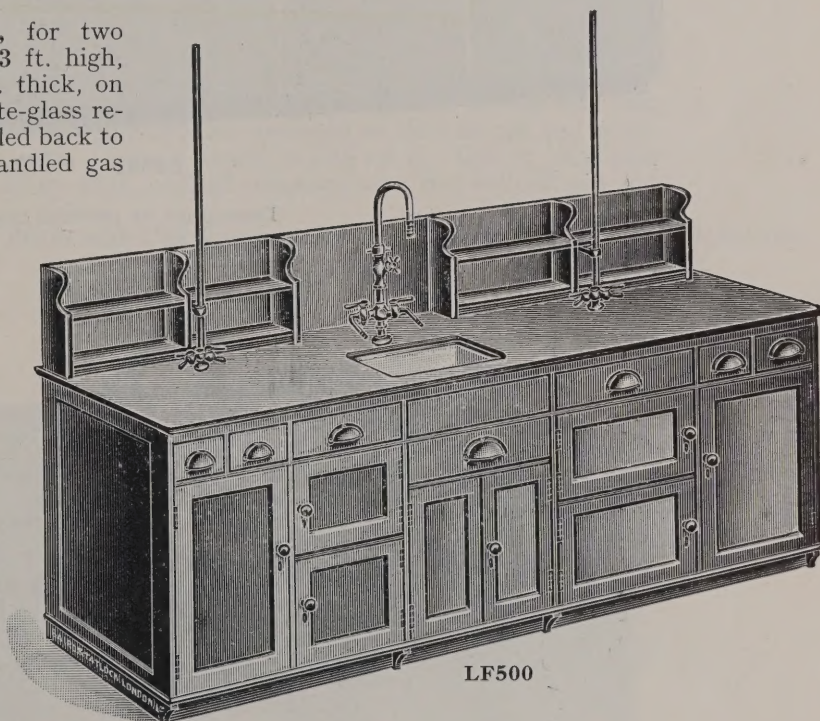
THE illustrations and descriptions given in the following pages are intended to show a few specimens of the various types of Benches constructed by us, as it is not always possible to meet individual requirements with stock fittings, but all details such as Drawers, Doors, etc. are standardised so that the lowest economical prices can be quoted.

For the tops of Benches best quality Teak is usually most suitable for general chemical use, but there are many special requirements which need tops of other materials.

Among these special materials are Solacite, White Glazed Tiles, Glass, Monel Metal, Plywood, Lead, etc. each having its own particular advantages and disadvantages, and its correct method of fitting.

We are always pleased to give our customers the benefit of our many years experience in the construction of Benches of every description.

LF500 Chemical Laboratory Bench, for two students, 8 ft. $\times$ 2 ft. 6 in. $\times$ 3 ft. high, with teak top, finished $1\frac{1}{8}$ in. thick, on bench top a double set of plate-glass reagent shelves with wood-panelled back to same. Two two-way lever-handled gas taps (Fig. LF832), with up-right movable rods over same, to be used as retort stands, etc.; under bench top is fitted with one white glazed fireclay sink, 14 $\times$ 10 $\times$ 6 in., with side overflow. Over sink one swan-necked gun-metal water tap, with two small screw-down side taps (LF803), with corrugated nozzles for india-rubber tubing connections. Each student's space is provided with a set of three drawers and three cupboards, all fitted with locks and keys. In centre of bench one general cupboard with swing flap, and zinc-lined box for waste paper etc. All facings of bench in oak or pitch pine, polished Moulmein teak top of bench with paraffin wax



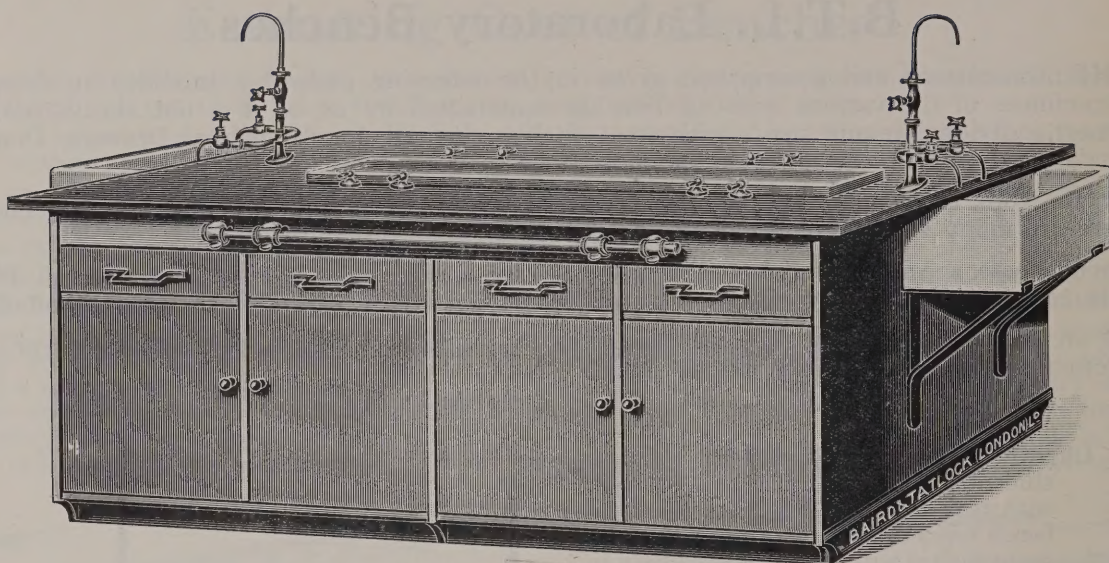
LF500

Price on application.

LF501 Chemical Laboratory Bench, arranged for four students. Size of bench, 8 ft. long, 5 ft. wide, and 3 ft. high, with teak top, $1\frac{1}{8}$ in. finished thickness, and external framing in waxed oak, internal framing best deal. The bench is fitted with four drawers and four cupboards on each side with a 9-in. movable shelf in centre. Oak knobs and spring catch fitted on doors and best brass pulls on drawers. Along centre of bench top two movable glass trays are fitted for reagent bottles. Trays project $\frac{1}{2}$ in. above top, each 3 ft. long, 9 in. wide, with white opalite top. Each student's space is provided with two gas leads on bench top (LF852/3) and controlled with gas tap (Fig. LF848/9). Under ledge, fixed at each end of bench, one sink, white glazed inside and out, 24 $\times$ 16 $\times$ 10 in., Over each sink one swan-neck three-way water tap, with two side leads (Fig. LF803). Water and gas supply pipes fitted and left ready for connecting up at one end of bench. No waste pipe or locks included, but these can be supplied if required

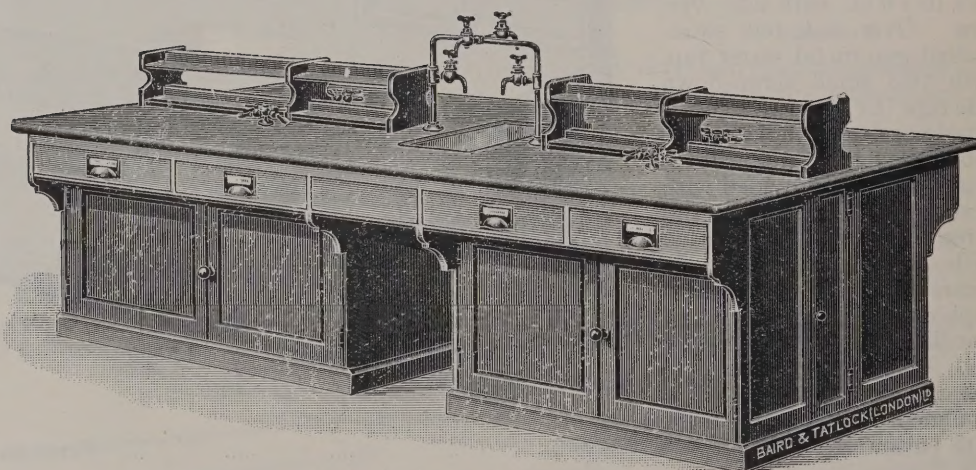
Price on application.

Illustrated on next page.



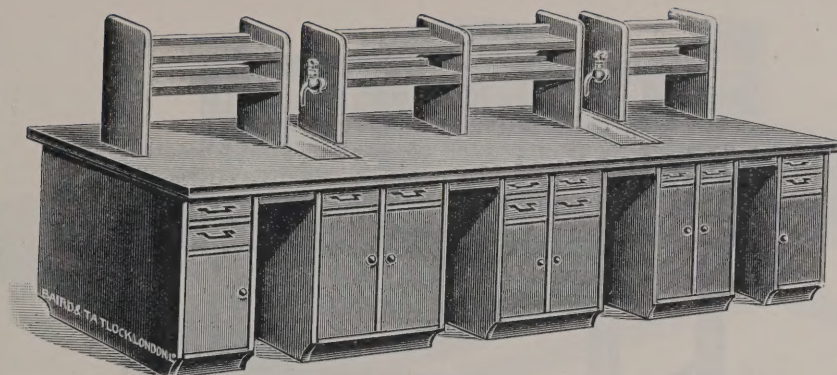
LF501

Description on previous page.



LF503

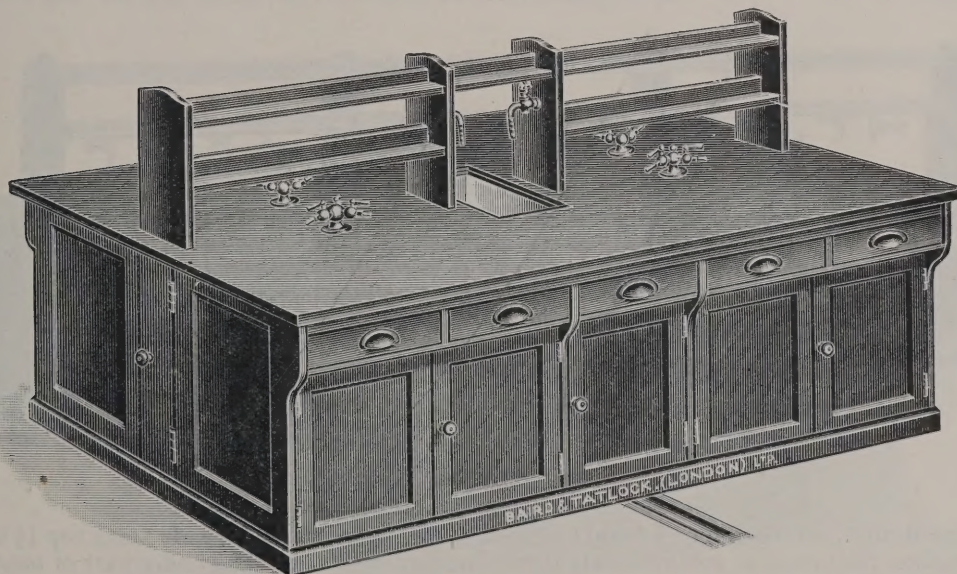
LF503 Centre Bench, 8 ft. 6 in. long, 4 ft. 6 in. wide, 3 ft. high ; teak top $1\frac{1}{2}$ in. finished thickness ; fitted in centre of top is a sink $20 \times 10 \times 6$ in., white glazed inside, and over same an oxydized gun-metal frame carrying four $\frac{3}{8}$ -in. water taps, No. LF782. In centre of bench top are two sets of plate glass reagent shelves mounted on strong uprights ; first shelf 1 in. high from bench top, second shelf $7\frac{1}{2}$ in. high ; four two-way gas taps, No. LF832, are fitted, two on each end of bench ; two double cupboards with two drawers over are fitted each side of bench with a knee hole in centre, or space for waste tub or basket ; the drawers are fitted with combination brass pulls and card frames ; teak knobs and spring catches are fitted to all doors ; all external framing of best oak Price on application.



LF504

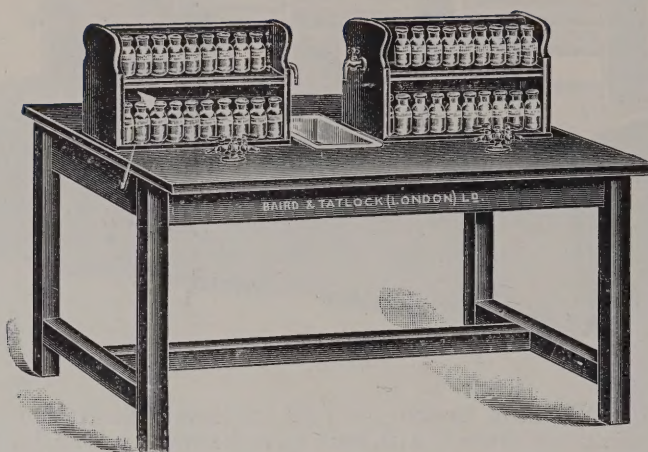
LF504 Chemical Laboratory Working Bench, for eight students. Illustration shows method of arranging cupboards and drawers with knee space between, two cupboards and three drawers for each student ; two white enamel sinks $20 \times 10 \times 6$ in., No. LF632 accessible from either side of bench ; one gun-metal water tap (Fig. LF782) for every two students one two-way gas tap (Fig. LF832) for each student ; one cane glazed fireclay acid trap (Fig. LF641) for each bench. The cupboards are arranged so that all gas and water pipes can be examined conveniently. Size of bench, $14 \times 4\frac{1}{2} \times 3$ ft. Oak or pitch pine fronts and teak top, finished $1\frac{1}{8}$ in. thick, and all necessary taps, but without gas and water connections to same.

Prices with Oak Framing, or any other wood selected, on application.



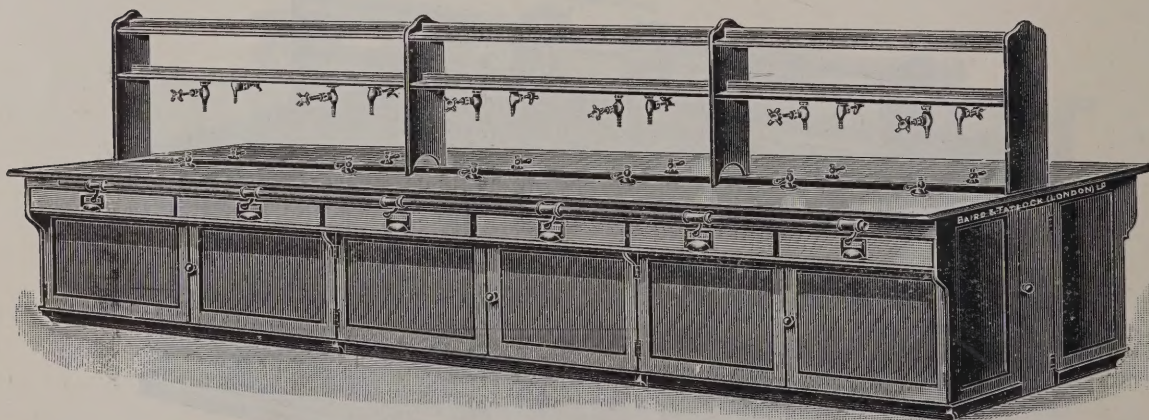
LF506

LF506 Laboratory Bench, for four students. Size, $7 \times 4 \times 3$ ft. high, teak top, $1\frac{1}{8}$ in. finished thickness. All external facings of oak. This bench is arranged for two students on either side, each having one double cupboard and two drawers. In front of sink on either side is fitted a swing flap with zinc tray under for waste paper, etc. Under this is fitted one general cupboard. Over bench top are fitted two rows of reagent shelves. One sink, $20 \times 10 \times 6$ in. ; white glazed with two $\frac{3}{8}$ -in. screw valve gun-metal water taps over, four double-way gas taps, one acid trap under sink. Cupboards fitted with locks Price on application.



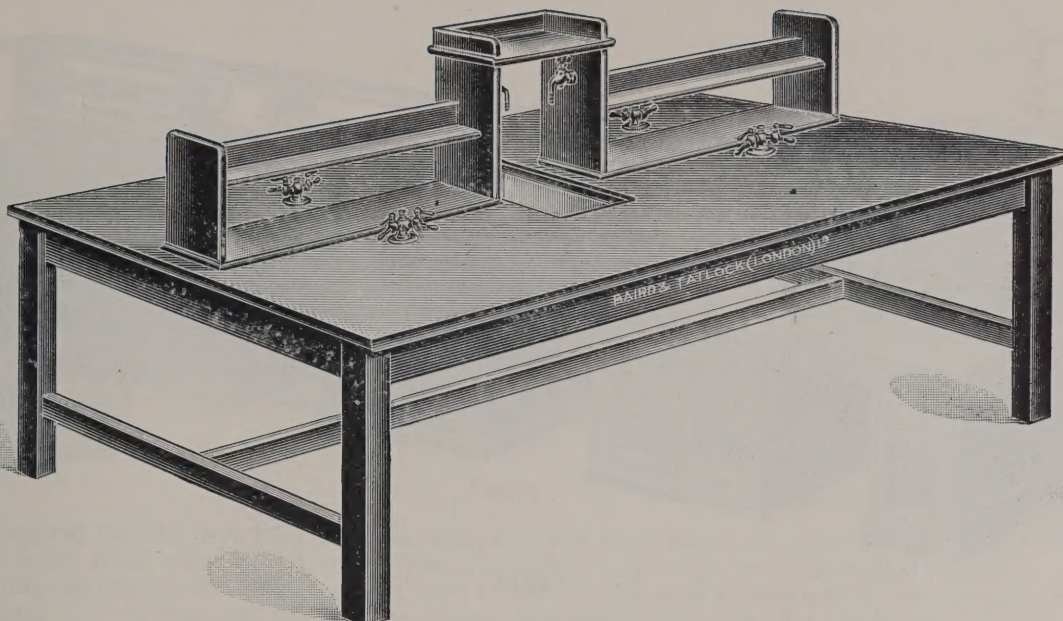
LF507

LF507 Portable Bench for Four Students, teak top, $1\frac{1}{8}$ in. thick, oak legs and framing, fitted with shelves for reagent bottles, one white enamelled fireclay sink, $14 \times 10 \times 6$ in., four two-way gas taps (Fig. LF832) and two water taps (LF783). Size of bench $7 \times 4 \times 3$ ft. high. Price, with gas and water taps, but without gas and water connections d £17 5 0



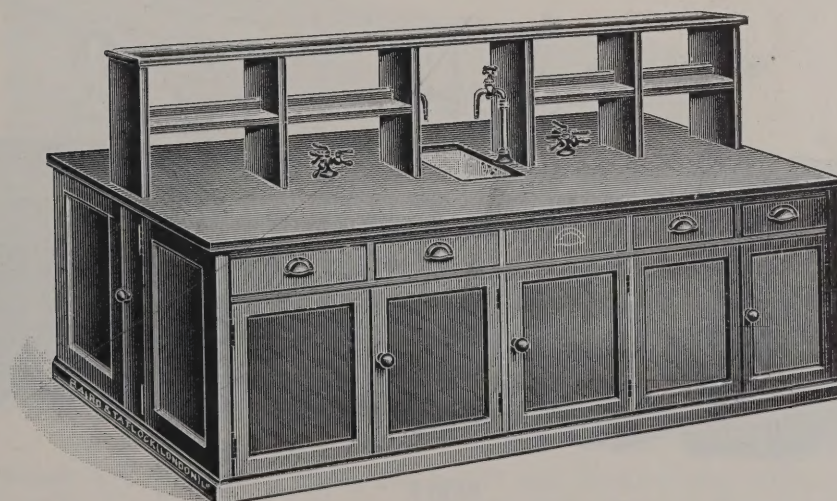
LF508

LF508 Centre Bench, arranged for Physical Chemistry, 15 ft. long, 4 ft. 6 in. wide ; teak top $1\frac{1}{8}$ in. finished thickness, to accommodate three students each side. The under part of bench is fitted with one double cupboard and two drawers over to each student's place; drawers fitted with combined brass pulls, with card holders, doors with teak knobs and spring catches. Fitted on top are two wooden reagent shelves with fillet in centre, fixed into strong uprights. In centre of top of bench is fixed a 3-in. diameter, white glazed three-quarter section, acid proof channel, and 12 water taps, No. LF811, are fixed underneath the bottom reagent shelf so that the nozzles drip into the channel. Twelve gas leads, No. LF848, two to each student's space, are fixed on bench top, all controlled from under front edge of bench. External framing of pitch pine or oak Price on application.



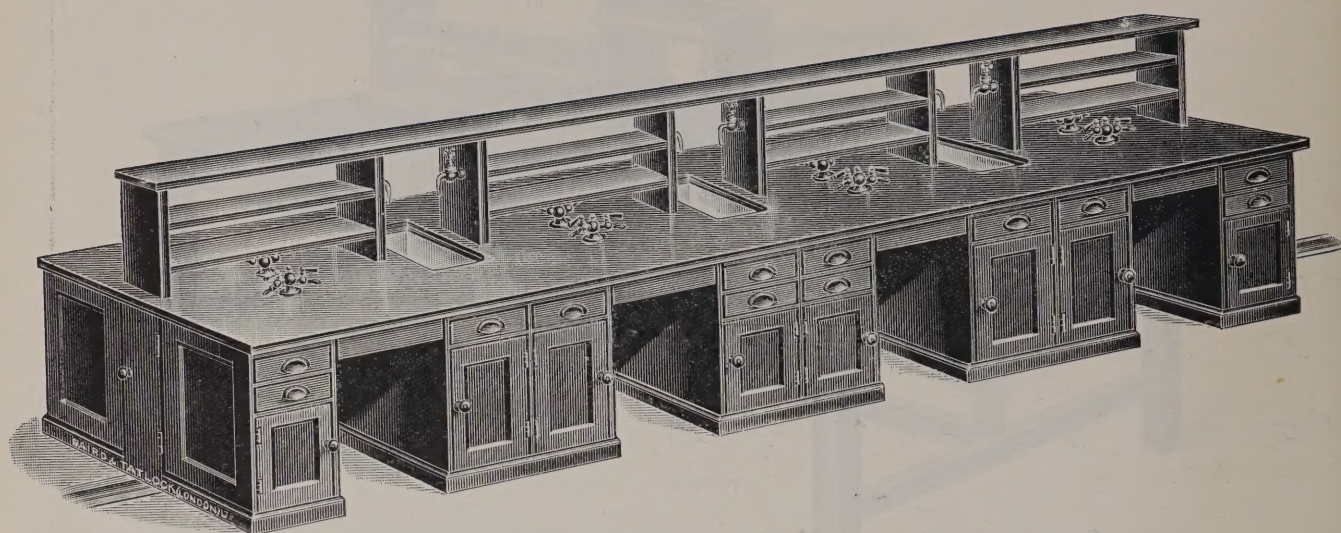
LF510

LF510 Centre Table, 7 ft. long, 4 ft. wide and 3 ft. high. Moulmein teak top, $1\frac{1}{8}$ in. finished thickness, supported on strong oak framing and legs, one sink $14 \times 10 \times 6$ in. (LF631), four two-way gas taps (LF832), oak reagent shelves with aspirator shelf over sink. Two (LF782) $\frac{3}{8}$ -in. water taps over sink on reagent shelf ends Price on application.



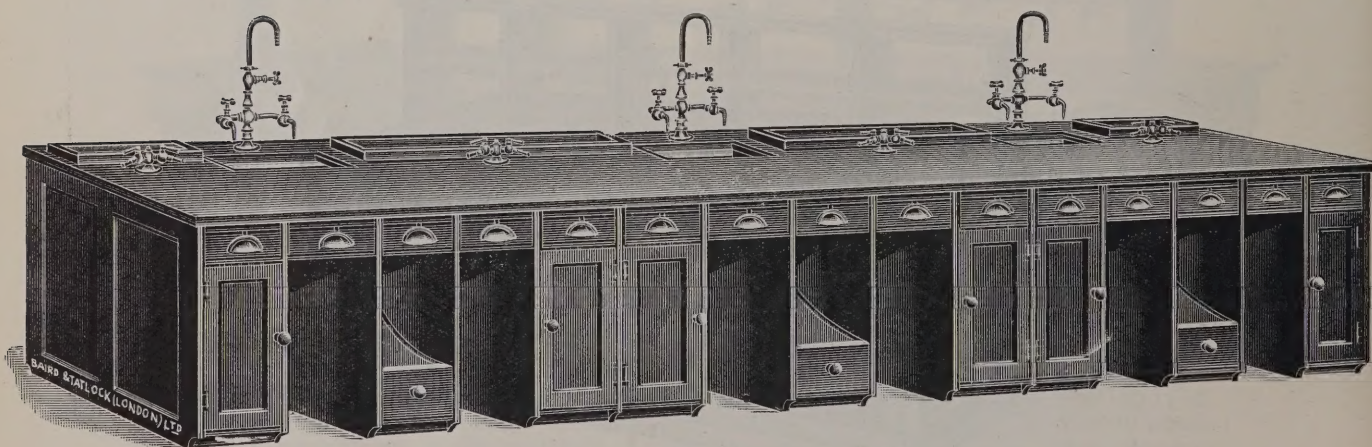
LF511

LF511 Centre Bench, 8 ft. long $\times$ 4 ft. 6 in. wide $\times$ 3 ft. high, Moulmein teak top, $1\frac{1}{8}$ in. finished thickness, under framing oak, shellac polished. The top is fitted with a sink $20 \times 10 \times 6$ in., two water taps (LF804) and two four-way gas taps (LF837). Under part of bench is fitted with two double cupboards, one single cupboard and four drawers each side. End of bench has hinged doors to make plumbing accessible. Over top are two tiers of reagent shelves Price on application.



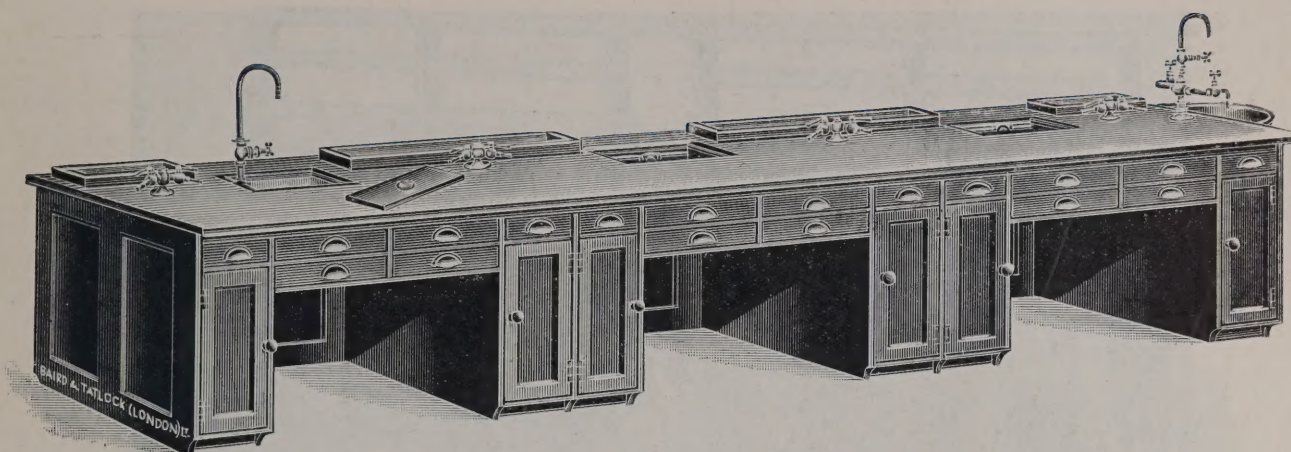
LF512

LF512 Centre Bench, 15 ft. long, 4 ft. 6 in. wide, 2 ft. 8 in. high, Moulmein teak top $1\frac{1}{8}$ in. finished thickness, three sinks $18 \times 7 \times 4$ in., LF638, two water taps, LF782, over each, four two-way gas taps, LF832, to each side of bench. Reagent shelves running the full length of bench as illustrated, under framing oak or pitch pine, shellac polished. Eight single cupboards and twelve drawers to each side of bench Price on application.



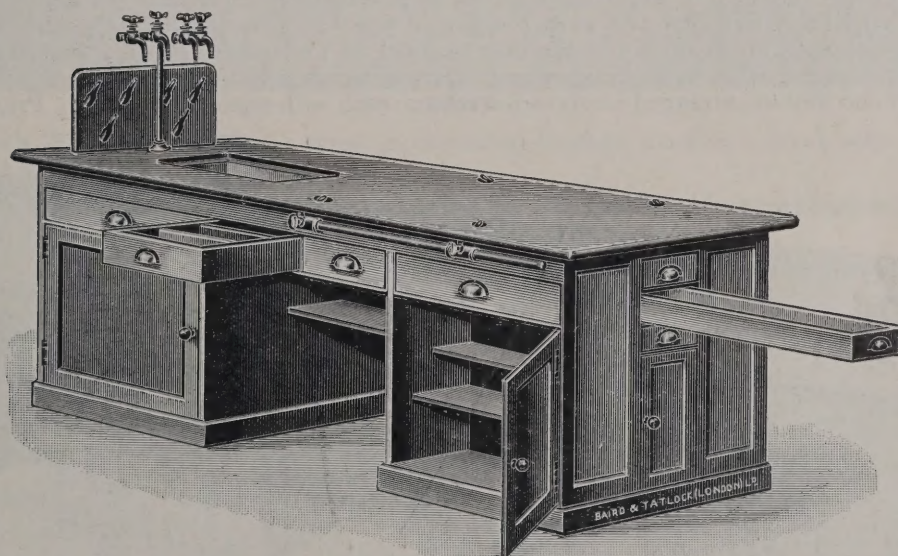
LF513

LF513 Centre Bench, Single, 15 ft. long, 2 ft. 4 in. wide, 2 ft. 10 in. high, with three sinks $18 \times 7 \times 4$ in., LF638, and three-way water tap, LF806, over each, opalite glass reagent trays at back with teak surrounds, two gas taps two-way, LF832, and two single-way, LF830, suitable for six students, giving each student one cupboard with one drawer over and zinc-lined waste box with drawer over to each pair, at back of bench six cupboards for apparatus. The bench has a Moulmein teak top $1\frac{1}{8}$ in. finished thickness, under framing of pitch pine or oak, shellac polished Price on application.



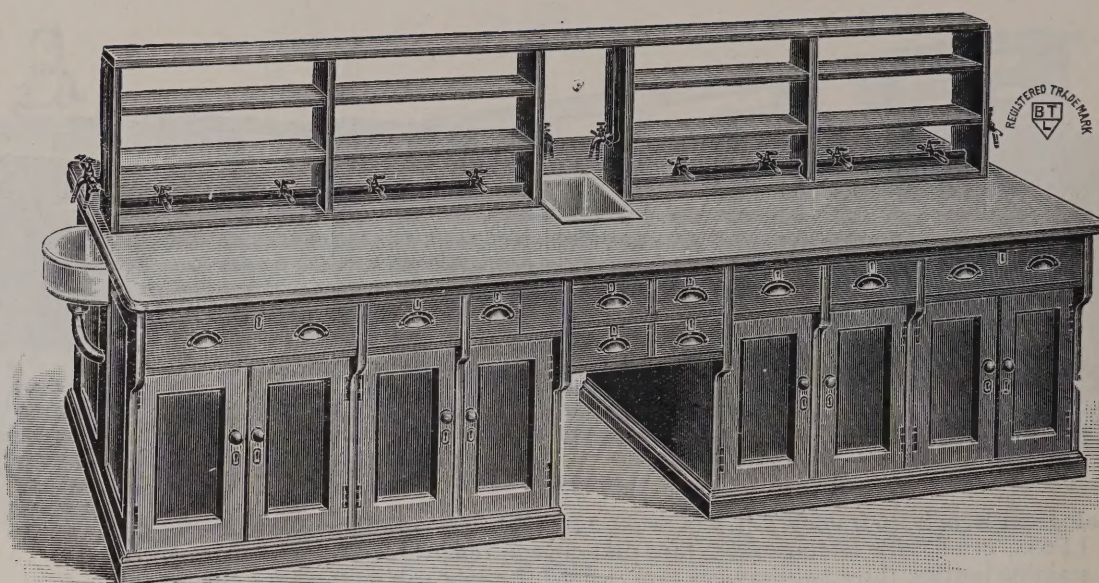
LF514

LF514 Biological Bench, 15 ft. long, 2 ft. 4 in. wide, 2 ft. 6 in. high, with three sinks, 18 x 7 x 4 in. LF638, fitted with folding water taps and covers, removable trays for reagents and staining bottles, three two-way gas taps, LF832, 6 cupboards suitable for Microscopes, with drawers over, and two shallow drawers over each knee space, one half-round sink at end with three-way water tap over. The bench has Moulmein teak top 1½ in. finished thickness, under framing of pitch pine or oak, shellac polished Price on application.



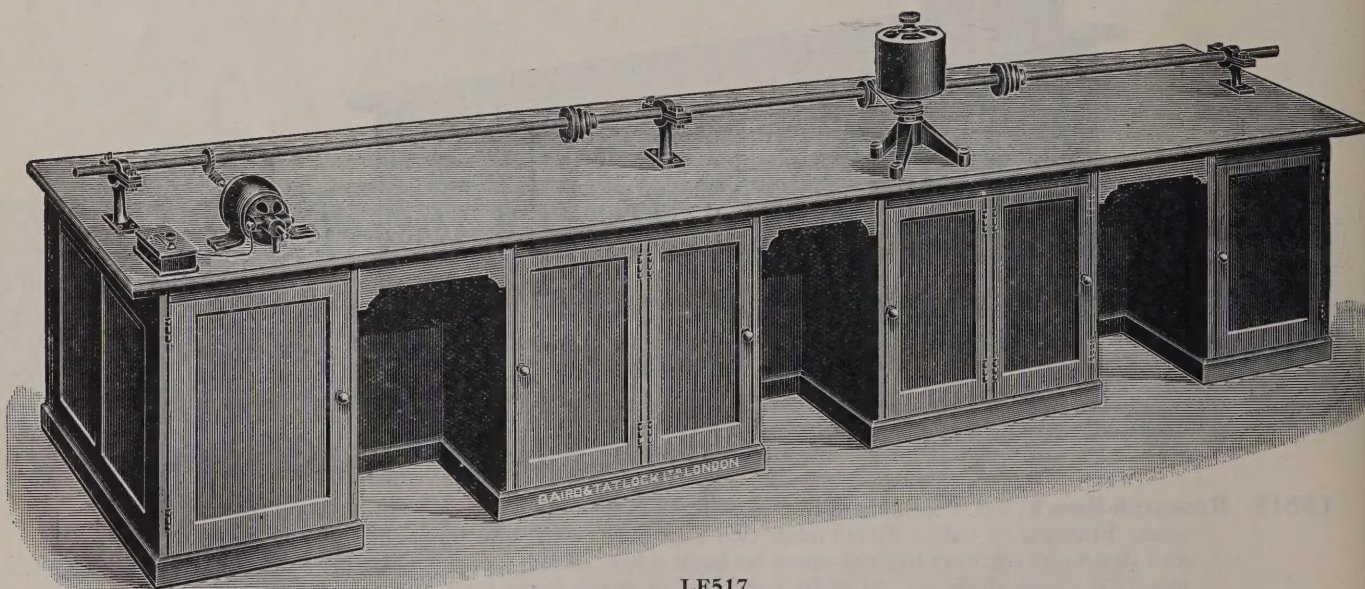
LF515

LF515 Research Bench, 6 ft. 6 in. long, 3 ft. 6 in. wide by 3 ft. high, teak top 1½ in. finished thickness. Framing of oak. Fitted with two cupboards with one large drawer over each and two small drawers in knee space on each side of bench; each small drawer divided into four compartments. At right hand end of bench three long drawers for burettes, glass tubing, etc., each 4 ft. long inside by 9 by 3 in. deep; two shelves to each cupboard 9 in. and 6 in. wide; at left hand end of bench one white glazed earthenware sink 18 x 12 x 8 in. with one four-way water tap fixed over same with draining board at back 2 x 1 ft.; four gas points, Cat. No. LF855, fixed under bench top, nozzle projecting through top for rubber tubing connection. Waste from sink taken in earthenware pipe to earthenware acid trap in bench; door in each end of bench for easy access to all pipes Price on application.



LF516

LF516 Chemical Physiological Laboratory Bench, as fitted at University College, London. Bench 10 ft. long by 5 ft. wide, teak top, oak or pitch pine framing, and fitted with one sink, No. LF632, in centre and at each side of it one water tap, LF782; also one half-round sink with three-way water tap over is fixed at each end of bench; sixteen gas points arranged eight on each side down centre of bench under reagent shelves; cupboards and drawers arranged for sixteen students, each with separate lock Price on application.



LF517

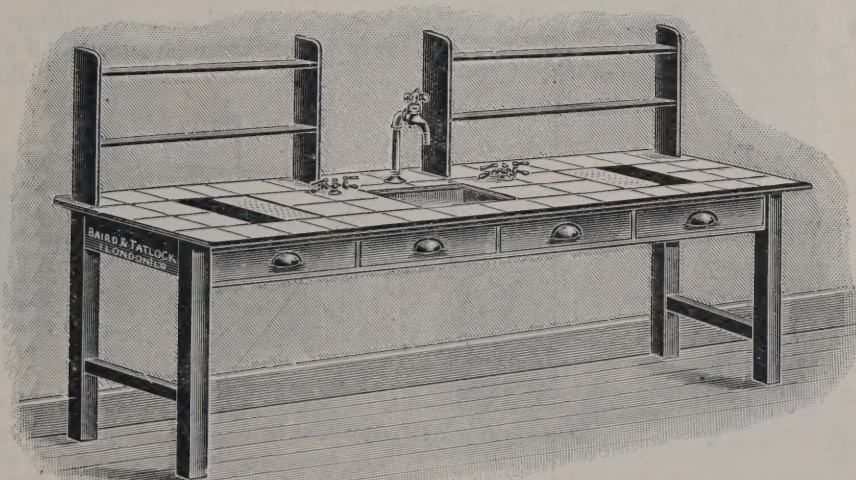
LF517 Bench for Experimental Physiological Work, arranged for twelve students (six on each side), one cupboard for each. Size of bench, 14 ft. long by 5 ft. wide by 2 ft. 10 in. high, with $1\frac{1}{2}$ in. teak top. Facings of oak or pitch pine. Locks to cupboards. Centre of bench carries three iron standards, 8 in. high, and $\frac{3}{4}$ in. shafting, with three sets of grooved pulley wheels which can be fixed in any position along shafting by means of pinching screws. Worm drive fitted at one end of shafting for coupling with motor Price on application.



LF518

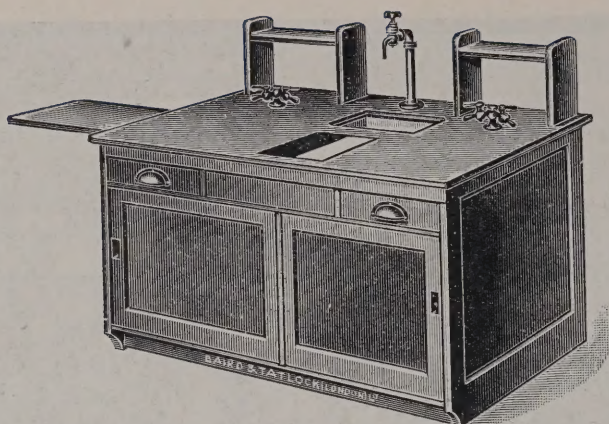
LF518 Research Worker's Bench, as fitted in University College, London ; fitted with high and low voltage terminals, etc.

(Special Benches made and quoted for on receipt of specification.)



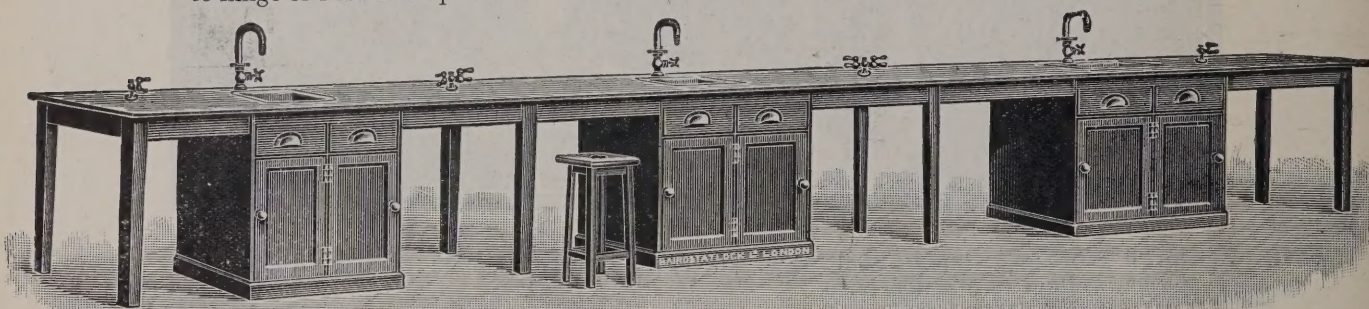
LF519

LF519 Bacteriological Bench, for placing against wall. 8 ft. long, 2 ft. 3 in. wide and 2 ft. 6 in. high. White tiled top framed in teak ; fitted with 12 x 10 x 6 in. sink in centre of bench with $\frac{3}{8}$ in. water tap on standard, No. LF804, over. At each side of sink is fixed one two-way gas tap, No. LF832. Two black and white plates, 12 x 12 in., one at each side of sink, set flush with tiles are let into top of bench, and two sets of two reagent shelves are fixed to wall at back. On strong oak or pitch pine framing Price on application.



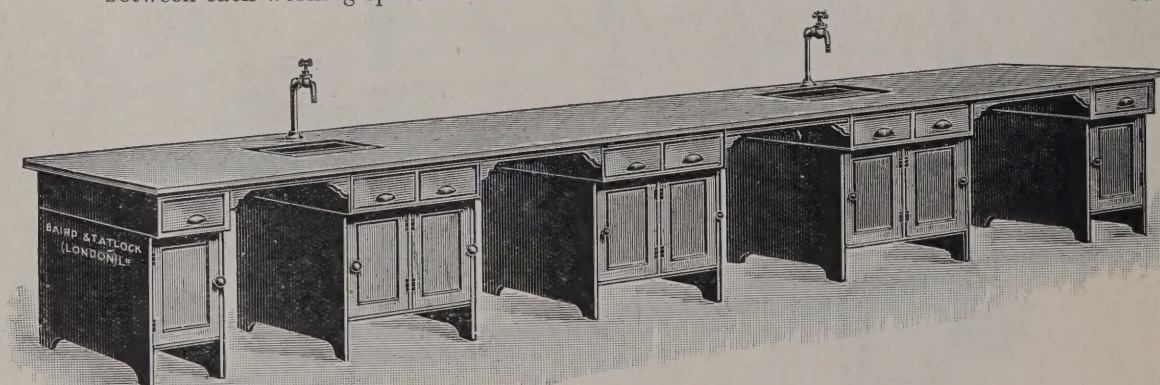
LF520

LF520 Research Worker's Bench, 4 ft. long, 2 ft. 6 in. wide, and 3 ft. high. Moulmein teak top, under framing oak or pitch pine, shellac polished. The bench has one sink $10 \times 8 \times 6$ in. and one standard water tap, LF804 over; two gas taps, LF832, reagent shelves, and a black and white plate-glass slab let into the top. The cupboard doors are made either to hinge or slide as required Price on application.



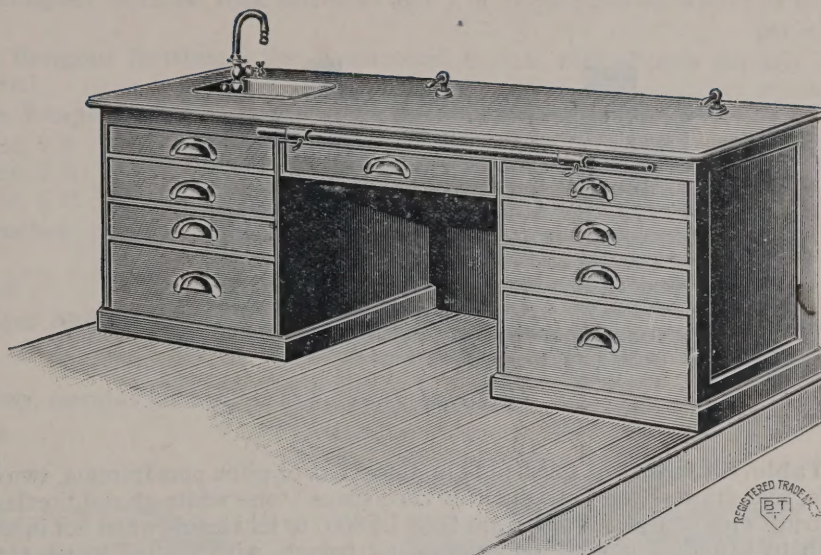
LF522

LF522 Histological Bench, as fitted up by us at King's College for Women. Teak top, oak or pitch pine framing, two-way gas taps, single-way water taps with sink $12 \times 9 \times 6$ in. between each working space of 4 ft. Price on application.



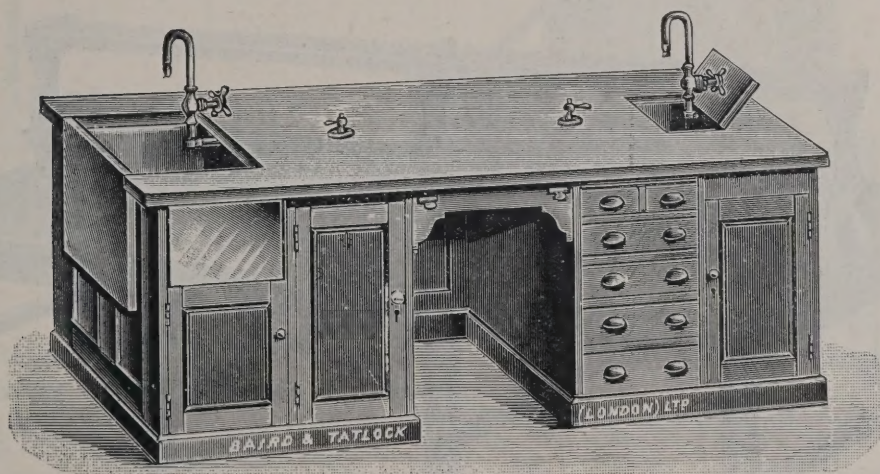
LF523

LF523 Centre Microscope Bench, 16 ft. long, 2 ft. 9 in. wide, and 3 ft. high, teak top $1\frac{1}{2}$ in. finished thickness; fixed in top are two sinks, $14 \times 10 \times 6$ in., with water tap, No. LF804, $\frac{3}{8}$ in. over each; mounted on pedestals with four knee spaces; toe space left at front and space for cleaning at ends; each student has 2 drawers and 2 cupboards, drawers furnished with drawer pulls; all external framing of oak or pitch pine Price on application.



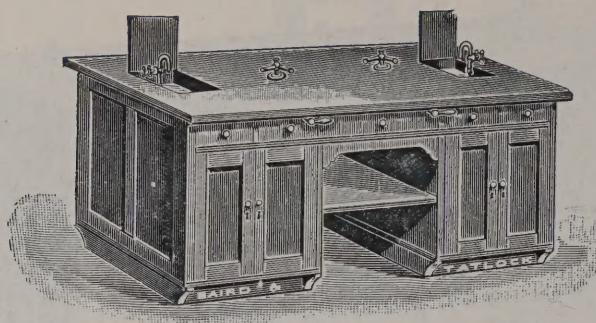
LF524

LF524 Lecturer's Bench, fitted with two tiers of drawers, one centre drawer, sink, with water tap to fold down, two gas taps controlled from front, flap to pull out at right-hand side. Teak top, with oak or pitch pine framing. Size 8 ft. long, 3 ft. wide, 3 ft. high d £39 0 0



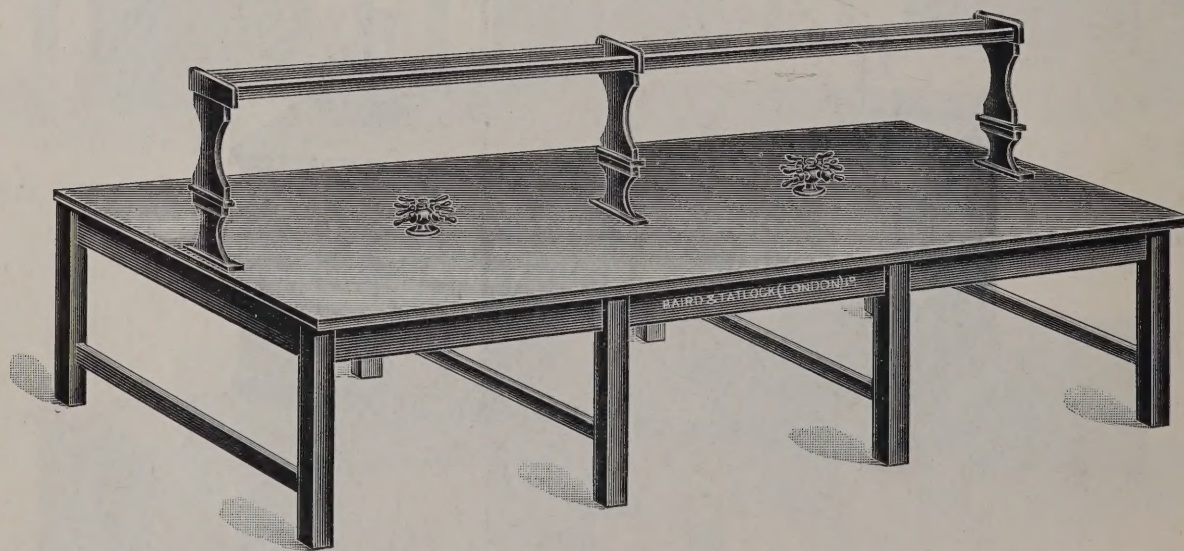
LF525

LF525 Lecturer's Bench, 8 ft. x 2 ft. 6 in. x 3 ft. high, for chemical or physical work; with teak top, finished $1\frac{1}{8}$ in. thick. All facings of oak or pitch pine, varnished. One white glazed sink, 14 x 10 x 6 in., fitted on right end of bench; one pneumatic trough with plate-glass front, 20 x 15 x 15 in., on left end of bench. Over both the sink and pneumatic trough are fitted our screw-down water taps to fold under top when not required. The sink and pneumatic trough are also fitted with hinged cover to fold over end of table when in use. Bench has three cupboards (all fitted with locks and keys) and six drawers. On top of bench, two gas nozzles (Fig. LF852/3), with control taps (Fig. LF848/9) under ledge of bench convenient to lecturer. With gas and water taps, but without connections to same Price on application.



LF526

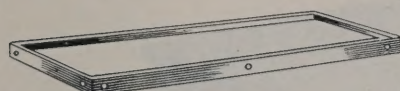
LF526 Lecturer's Table, with teak top, finished $1\frac{1}{8}$ in. thick, oak or pitch pine framing, two double cupboards, five drawers, and one shelf in knee space; one white glazed fireclay sink, $14 \times 10 \times 6$ in., with gun-metal water tap (Fig. LF800) to fold inside when not in use, and fitted with teak folding cover; one pneumatic trough, with folding water tap (Fig. LF800), also provided with teak folding cover; and two two-way gas points, with taps (Fig. LF831), in front of bench. Size of bench, $7 \times 3 \times 3$ ft. high. With necessary taps, but without gas or water connections Price on application.



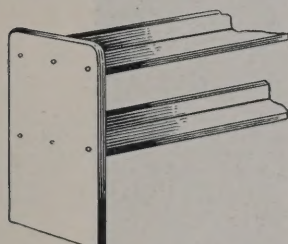
LF527

LF527 Physical Bench, 14 ft. long, 4 ft. 6 in. wide, 2 ft. 9 in. high. Moulmein teak top $1\frac{1}{8}$ in. finished thickness, top on strong polished oak or pitch pine framing and rails. Fixed on the top are two four-way gas taps, LF837. Over the top is fitted steel suspension rails on strong cast-iron uprights, with ledge for shelf if required during experiments. Price on application.

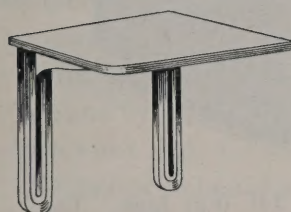
LF530A Trays for Reagent Bottles, teak surround and $\frac{1}{4}$ in. plate glass on whitened base		per foot run	d £0	5	0
LF530B Shelves for Reagent Bottles, 2 tier, constructed in oak, with shelves strongly housed and screwed		per foot run	d £0	10	0
LF530C Plate Glass Reagent Shelves					
3 $\frac{1}{2}$ in. wide, 2 ft. 10 in. long	....	per foot run	d £0	2	0
4 in. wide, 2 ft. 10 in. long	....	"	d £0	2	8
8 in. wide, 2 ft. 10 in. long	....	"	d £0	4	8
LF530D Balance Benches, per foot run, on strong oak leg framing, 1 $\frac{1}{8}$ in. teak top.					
Size	....	1 ft. 3 in.	1 ft. 6 in.	1 ft. 9 in.	
1 $\frac{1}{8}$ in. teak	....	d £0 11 9	d £0 13 6	d £0 15 0	
LF530E Galvanometer Shelves in $\frac{3}{4}$ in. Black Solacite, on aluminium brackets and pads					
		10 in. x 10 in.	12 in. x 12 in.	18 in. x 12 in.	
		d £0 17 6	d £1 5 0	d £1 15 0	
LF530F Bench Polish, suitable for tops of Laboratory Benches.					
9 oz. tins	....	each	d £0	1	6
7 lb. tins	....	each	d £0	12	6



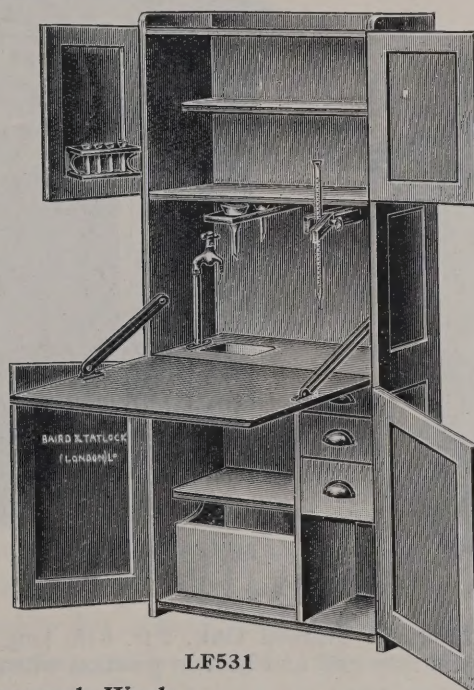
LF530 A



LF530 B



LF530 E



LF531

LF531 Self Contained Cabinet for Chemical Research Work.

The Cabinet is intended primarily to meet the requirements of the research worker who may not have a laboratory under his own roof.

It provides a Chemical Laboratory in miniature, which, when not in use, can be completely closed up.

It is 6 ft. high by 3 ft. 6 in. wide, and 15 in. back to front, so that when closed, it occupies no more space than a small bookcase. The whole of the exterior being framed and panelled in oak, it can be fitted almost anywhere without detracting from the appearance of the room.

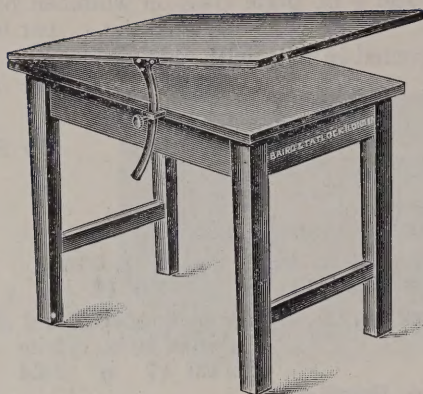
The hinged front falls down to form a work bench, 3 ft. 6 in. long by 2 ft. 9 in. wide, with a small sink at one end; a water tap and a two-way gas tap are also fitted.

Above the bench are fitted a folding Burette Holder and Rack for funnels. In the upper part, enclosed by folding doors, are the reagent shelves, with burette rack and test tube stand, fitted to the back of the doors. The bottom part, which is also enclosed by folding doors, contains on one side a zinc lined waste box, and on the other side, three large drawers with a space below for apparatus.

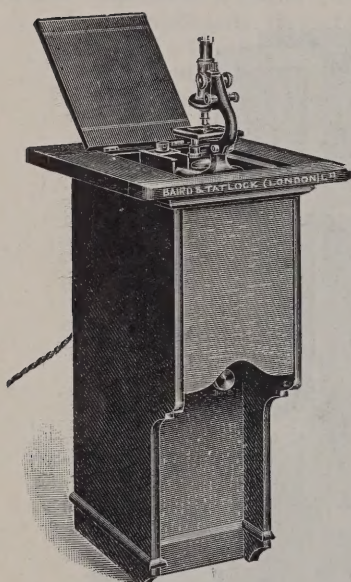
If a connection to the draining system is not available, or is inconvenient, a removable waste receiver can be fitted below the sink.

The oak panelling is normally finished light fume colour, but can be finished in any shade to match existing furniture, without extra charge.

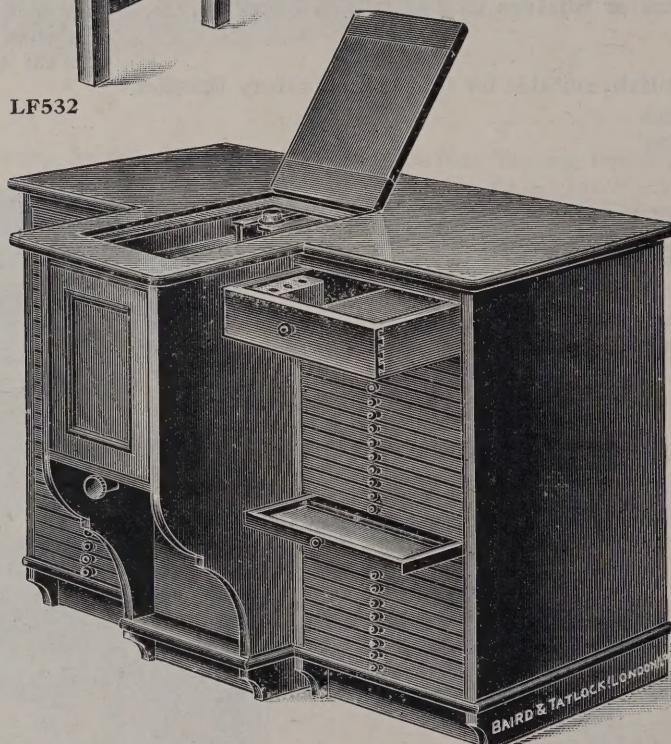
Price d £15 15 0



LF532

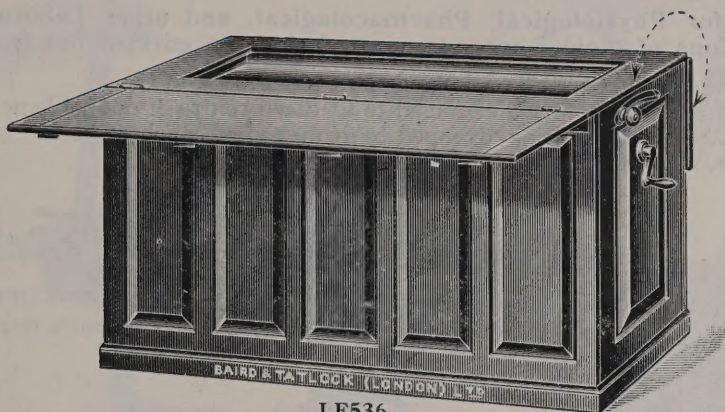


LF534

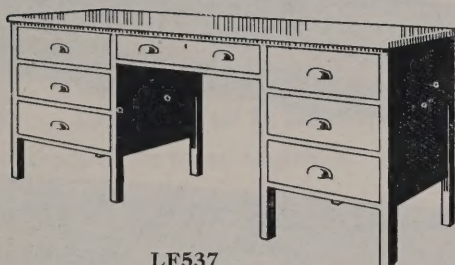


LF535

- LF532** Lantern Table in Stained Oak, 2 ft. 6 in. long, 1 ft. 9 in. wide, 3 ft. 0 in. high. Top to hinge at one end and held in position when raised by strong brass quadrant arm fitting d £3 10 0
- LF533** Lantern Table all as above, but with shelf between legs for resistances, shelf covered with heat resisting compound d £4 0 0
- LF534** Microscope Bench, with automatic raising and lowering arrangement. The illustration shows microscope being brought into position for use. As the case is shut tight the microscope is always ready for use. This fitting can be adapted and fitted to any laboratory bench Price on application.
- LF535** Microscope Bench, 2 ft. 8 in. long, 16½ in. wide and 3 ft. high, teak top 1½ in. finished thickness, with rebated opening for dropping tray with hinged flush cover. Tray drops steadily on runners and is counterpoised with weights. Tray fitted with sliding electric lamp holder and plug at back for connections. Arranged at each side two tiers of microscope trays on metal runners with numbered knob to each; each tray to hold 18 slides, 56 trays in all (28 each side), making total holding capacity of 968 slides. At each side over trays one drawer arranged to hold all accessories for microscope. All framing of fumed oak Price on application.



LF536



LF537

LF536 Microphotographic Bench, constructed to house one complete microphotographic apparatus, 7 ft. 9 in. long, 1 ft. 11 in. wide and 3 ft. 6 in. high. Centre portion of top carries apparatus and drops to sufficient depth to clear top of same, being operated at one end by rotating handle. This portion of top is maintained in absolutely rigid position when ready for use. Cover on top hinged in two halves to turn over and so form two shelves on brass hinged brackets fixed to side or to fall down flush with sides. All framing in best fumed oak with teak top frame and cover flaps. The whole bench is arranged to lift off floor and be removable on rubber tyred castors, and when in position to lower same on to floor. When in position for use it is perfectly rigid Price on application.

LF537 Writing Desk in oak, fitted with lock to centre drawer

A Size 3 ft. 9 in. by 2 ft. 2 in. by 2 ft. 6 in. high	....	....	....	....	d £6 15 0
B Size 4 ft. 0 in. by 2 ft. 3 in. by 2 ft. 6 in. high	....	....	....	....	d £7 4 0
C Size 4 ft. 6 in. by 2 ft. 6 in. by 2 ft. 6 in. high	....	....	....	....	d £9 0 0

LF538 Writing Desk in oak, as above but fitted with cupboards in place of side tiers of drawers

A Size 3 ft. 9 in. by 2 ft. 2 in. by 2 ft. 6 in. high	....	....	....	....	d £6 0 0
B Size 4 ft. 0 in. by 2 ft. 3 in. by 2 ft. 6 in. high	....	....	....	....	d £6 10 0
C Size 4 ft. 6 in. by 2 ft. 6 in. by 2 ft. 6 in. high	....	....	....	....	d £7 15 0

Shafting

We specialize in Shafting for Physiological, Pharmacological, and other Laboratories, and give a few illustrations of typical arrangement of shafting carried out by us.

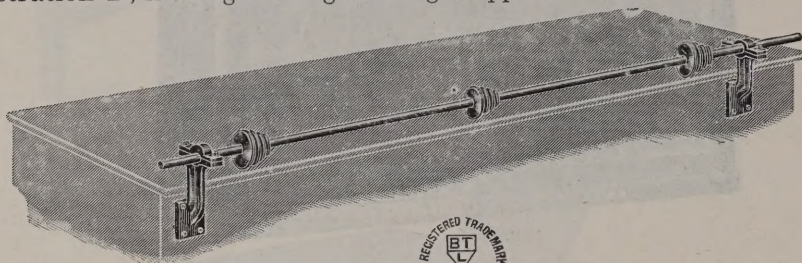
Illustration A, showing shafting arranged to fit along back of bench.

Illustration B, showing shafting arranged to fit down centre of double bench.

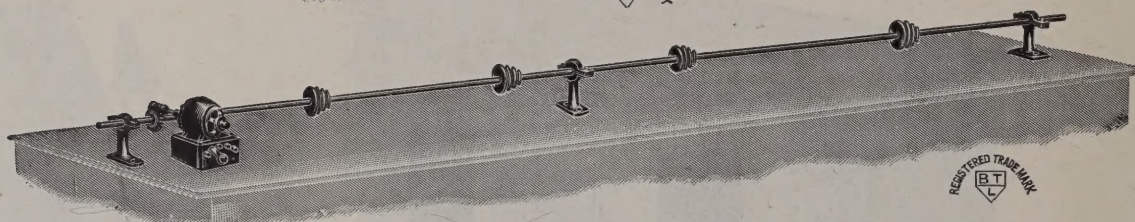
Illustration C, showing shafting arranged to fit on top of bench at back.

Illustration D, showing shafting with high supports.

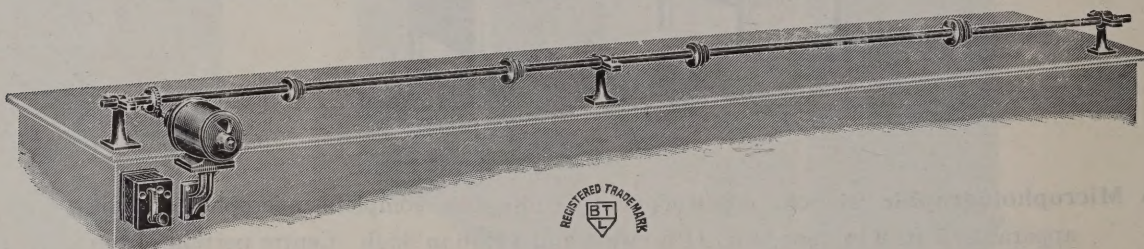
A

REGISTERED TRADE MARK
BT
L

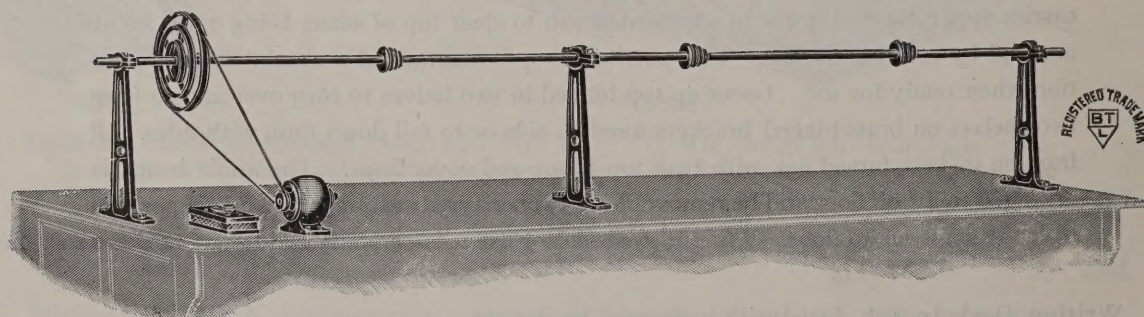
B

REGISTERED TRADE MARK
BT
L

C

REGISTERED TRADE MARK
BT
L

D

REGISTERED TRADE MARK
BT
L

PRICES OF PARTS. (All standard parts painted or stoved, black or green.)

LF540	Standards as in illustration A, for fixing to back of bench	....	each	c £0 18 6
LF541	Standards 8 in. high, as in illustration B, for fixing to centre of bench	....	..	c £0 17 6
LF542	Standards 8 in. high, as in illustration C, for fixing on top of bench	....	..	c £0 17 6
LF543	Standards 2 ft. high, as in illustration D, for fixing to centre of bench	....	..	c £1 2 6
Standards should be placed 5 ft. apart.				
LF544	Shafting, standard size,	....	per ft. run	b £0 1 8
LF545	Three-speed Brass Pulley, 4½ in., 3 in., 1½ in., as shown in A, B, C, D	....	each	c £0 10 0
LF546	Couplings	....	..	c £0 5 6
LF547	Collars	....	..	b £0 1 6
LF548	Driving Pulley, 3-speed, 12 in., 8 in., 6 in., as in illustration D but solid, accurately turned and balanced, can also be used as alternative to LF 552	....	....	c £1 12 0

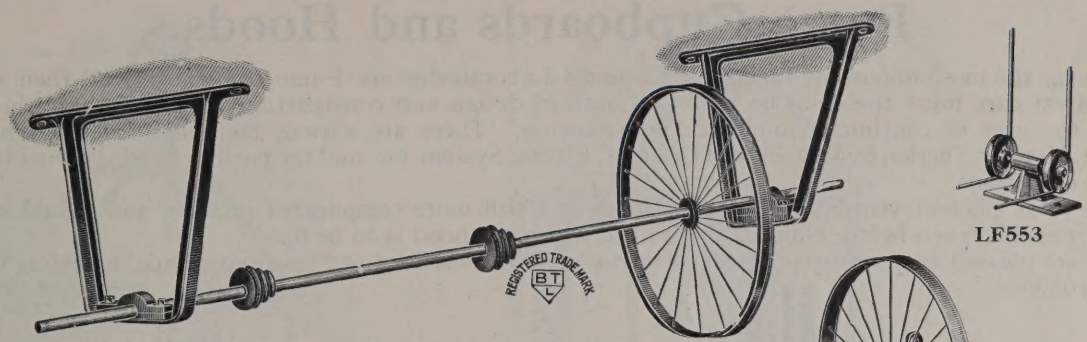
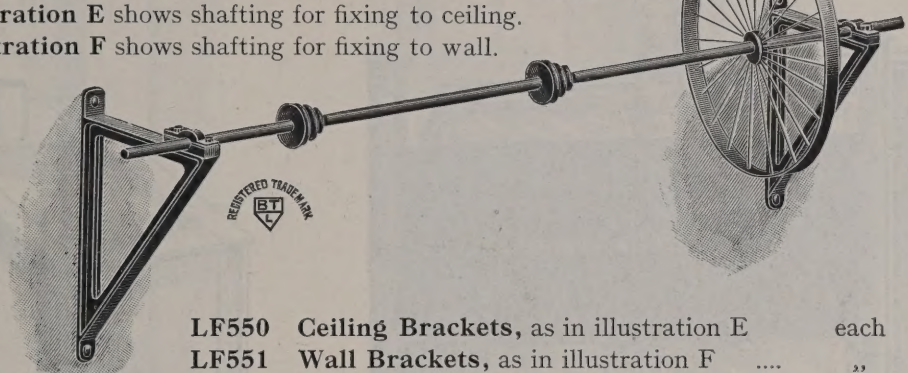


Illustration E shows shafting for fixing to ceiling.
Illustration F shows shafting for fixing to wall.

E

F

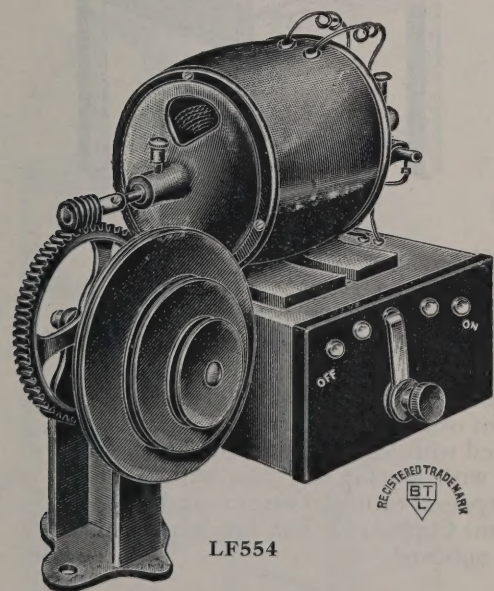


LF550	Ceiling Brackets, as in illustration E	each	c	£1	12	0
LF551	Wall Brackets, as in illustration F	....	„	c	£1	10 0

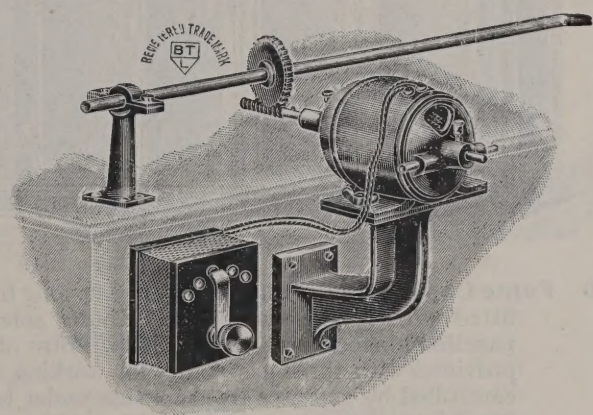
Special Brackets supplied for fixing to girders. Particulars of girder must be sent ; price on application.

LF552	Light Spoke Wheel, 2 ft. diameter, as in illustration E	....	....	....	each	b	£0	16	6
LF553	Pulley Jockey, for use with LF552	....	....	....	„	c	£0	10	6

Pulleys of other diameters can be supplied, any combination of speeds. Price on application.



LF554



LF555

LF554 Motor $\frac{1}{4}$ h.p., 1420 r.p.m., with reducing gear of 60/1 ratio, enabling three-speed pulley 6 in., 4 in. and 2 in. to run at 24 r.p.m. Further reductions in speed may be made by means of the regulator. All mounted on wood board.

LF555	(a)	For direct current	....	....	....	....	....	....	c	£15	0	0
	(b)	For alternating current	....	....	....	....	....	....	c	£16	5	0
	(a)	For direct current	....	....	....	....	....	....	c	£12	10	0
	(b)	For alternating current	....	....	....	....	....	....	c	£15	10	0

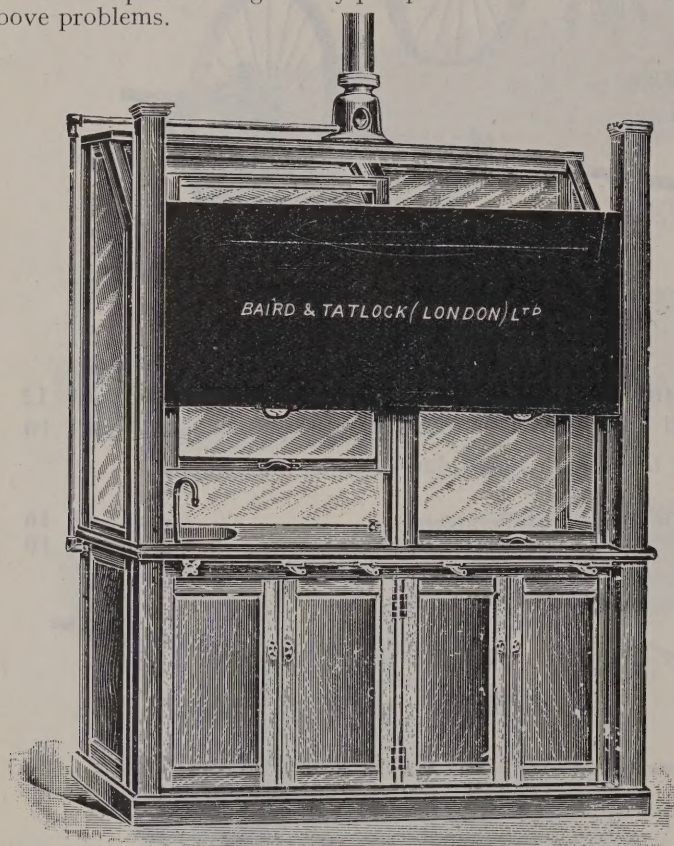
(Please state voltage and current when ordering)

Fume Cupboards and Hoods.

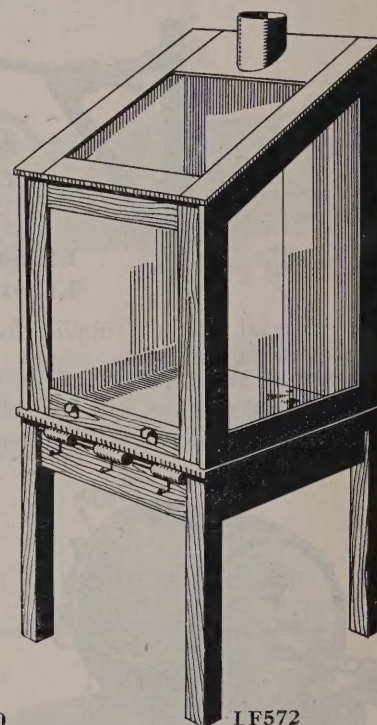
Among the most important fittings of Chemical Laboratories are Fume Cupboards and their equipment. The greatest care must therefore be exercised both in design and construction, as a small fault in either will involve the user in continual annoyance and expense. There are various methods of ventilation—Natural Draught, Hot Air, Suction by Fan, Forced Draught, Ejector System, etc. and the pattern to adopt must be governed by local conditions.

The most efficient ventilation of Open Hoods is a still more complicated problem and should be borne in mind, if possible, even before building the wall to which the hood is to be fixed.

We are pleased to give any prospective customers the benefit of our long experience in dealing with all the above problems.

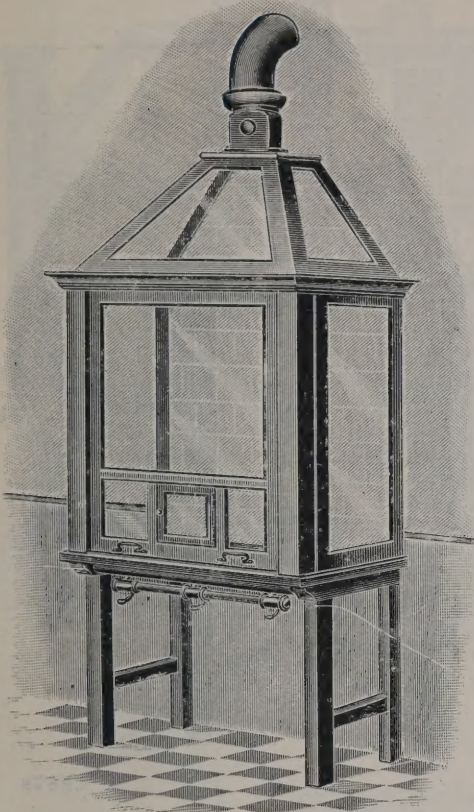


LF570

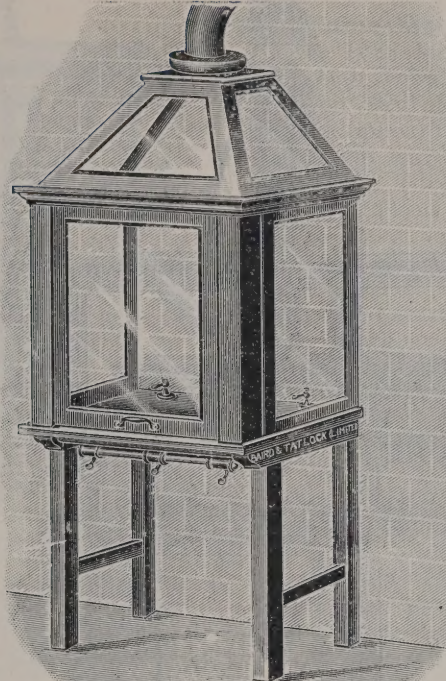


LF572

- LF570 Fume Cupboard**, in best pitch pine, 6 ft. long by 2 ft. 3 in. deep, by 7 ft. 9 in. total height, fitted with $\frac{3}{4}$ in. solacite sole. Under sole are two double cupboards with wood-panelled hinged doors, one shelf to centre of each cupboard. The Fume Cupboard is provided with three gas points for working and one gas point to flue. All gas points controlled by gas taps fixed outside under ledge of cupboard. One white glazed sink fitted into sole of cupboard, 8 x 6 in., with water point over same and control tap fixed outside. Sliding glass front to cupboard counterpoised with lead weights, and hung on catgut lines over pulleys. The cupboard is fitted with fireclay flue pipe with sight glass in front. Sliding plate-glass blackboard, counterpoised with lead weights and hung on catgut lines over pulleys, is fitted over front of Fume Cupboard. This can be pushed up when not required, to give free access to Fume Cupboard
- | | | | | | |
|-------|-------|-------|-------|---|---|
| | | | d £38 | 0 | 0 |
|-------|-------|-------|-------|---|---|
- LF571 Fume Cupboard**, as above, but without blackboard
- | | | | | | |
|-------|-------|-------|-------|---|---|
| | | | d £36 | 0 | 0 |
|-------|-------|-------|-------|---|---|
- LF572 Fume Cupboard**, size 3 ft. long by 2 ft. wide by 7 ft. 6 in. high overall. Solacite sole, oak framing, stained to approved colour and waxed. Counterpoised sliding door with counterpoise hung on catgut lines. Cupboard glazed front, top and ends with best 21 oz. sheet glass. The whole supported on strong leg framing
- | | | | | | |
|-------|-------|-------|-------|----|---|
| | | | d £13 | 10 | 0 |
|-------|-------|-------|-------|----|---|
- LF572A Fume Cupboard**, all as above, but without counterpoise to door, which is held in position by spring catch
- | | | | | | |
|-------|-------|-------|-------|---|---|
| | | | d £11 | 0 | 0 |
|-------|-------|-------|-------|---|---|



LF573



LF575

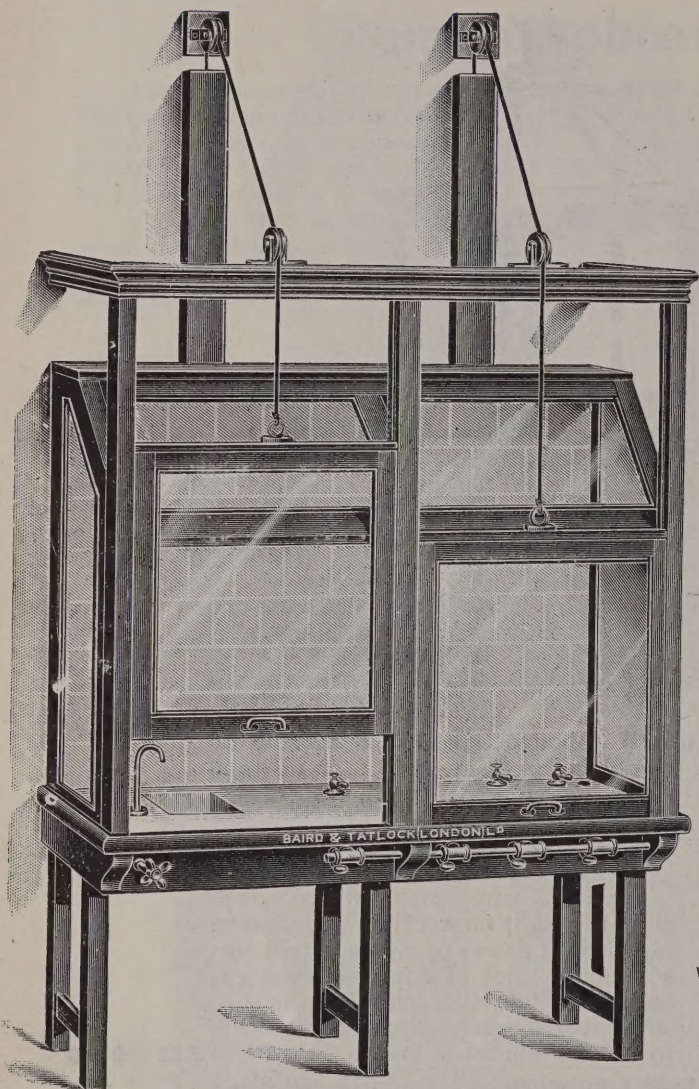
LF573 Fume Cupboard, size 3 ft. 8 in. wide by 2 ft. back to front, by 8 ft. 6 in. total height (on stand 3 ft. high), made of oak, and glazed on all sides. Counterpoised sliding glass door to front hung on cat-gut, with small hinged door. Solacite sole to cupboard, fitted with two gas points (Fig. LF852/3) for working, with control taps (Fig. LF848/9) for same fitted outside under ledge of cupboard, one gas burner for flue, with control tap to suit, with earthenware pipe socket (No. LF736) to connect to flue d £22 0 0

LF574 Fume Cupboard as No. LF573, but fitted with white glazed tiles to back d £28 0 0

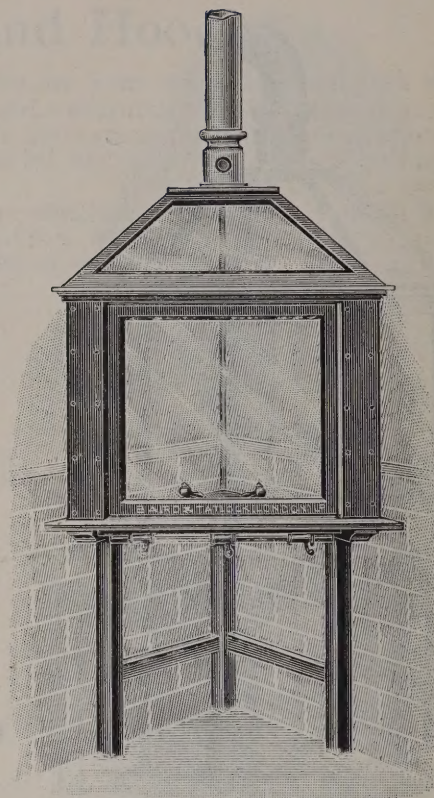
LF575 Fume Cupboard, made of oak with counterpoised sliding door, hung on gut lines. Cupboard, glazed front, top and ends with best 21 oz. sheet glass; $\frac{3}{4}$ in. solacite base, 3 ft. by 2 ft., supported on strong framed box legs and supplied with two gas leads, No. LF852/3, and one burner to flue, both controlled outside under ledge by taps No. LF848/9. One urastone pipe socket, No. LF735, fitted on top of cupboard to connect to flue. Solacite base 3 ft. from floor. Cupboard 7 ft. 6 in. high over all. Splayed top d £11 15 0

LF576 Fume Cupboard, solacite sole, oak framing, counterpoised door, fitted inside with two gas taps, No. LF848/9, and one burner to flue, all controlled from outside; with glazed earthenware inspection socket for connection between cupboard and flue fitted on top. Price d £15 0 0

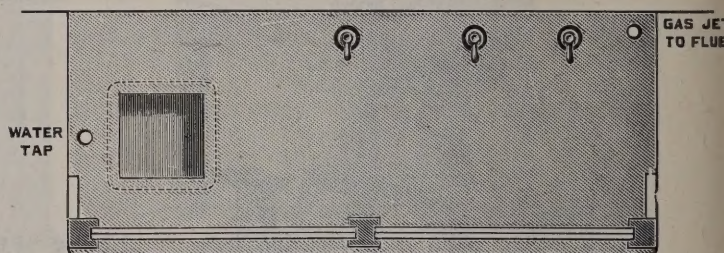
LF576



LF577



LF578

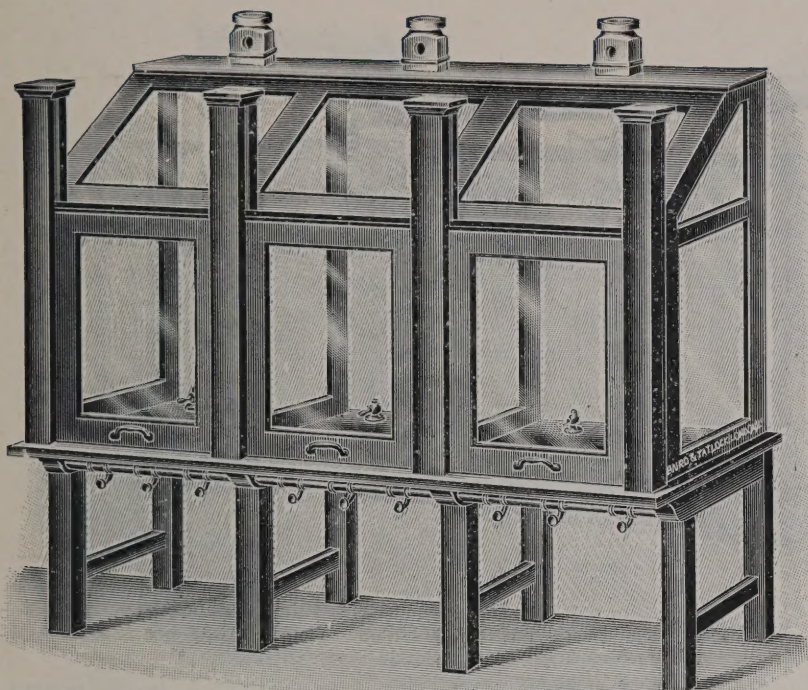


LF577 (Plan of Base)

LF577 Fume Cupboard, 6 ft. 6 in. long, 2 ft. 3 in. wide. Solacite sole $\frac{3}{4}$ in. thick on stand 3 ft. high; pitch pine or oak framing, polished, glass front ends and top. Two sliding doors counterpoised with weights, suspended with best catgut lines over strong pulleys as shown. The pulleys are fixed on wall, over wood guides for weights to travel in. The base is fitted with four gas points (LF852/3) for working, and one to flue, with control taps (Fig. LF848/9) outside under edge, fitted in base, at left-hand side, one sink 8 x 6 in., white glazed inside, cane outside (Fig. LF627), water bend fitted over same with control tap in front as shown (Figs. LF813/814). All the gas taps are fitted ready for connecting up to gas supply at one point. Water tap and bend fitted ready for connecting to water supply, but no waste supplied. Price, without back, ready for fixing to wall d £22 10 0

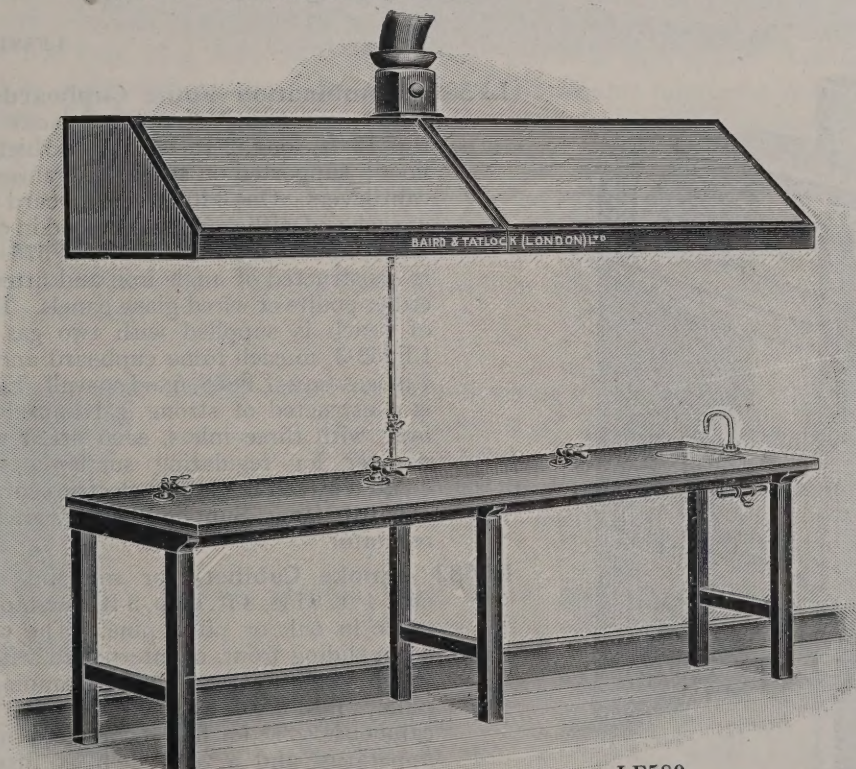
Extra price for white tiled back on application.

LF578 Fume Cupboard, to fit into angle of room, solacite sole at height of 3 ft. supported on strong polished pitch pine or oak leg framing. Total height 7 ft. 6 in. and 2 ft. 6 in. wide on each wall. One door, counterpoised with lead weights on strong catgut lines fitted on top, one glazed earthenware inspection pot, two gas leads, No. LF761, on sole for working, one Bunsen to flue; all controlled outside under ledge of Solacite by gas taps, LF848/9 d £15 0 0



LF579

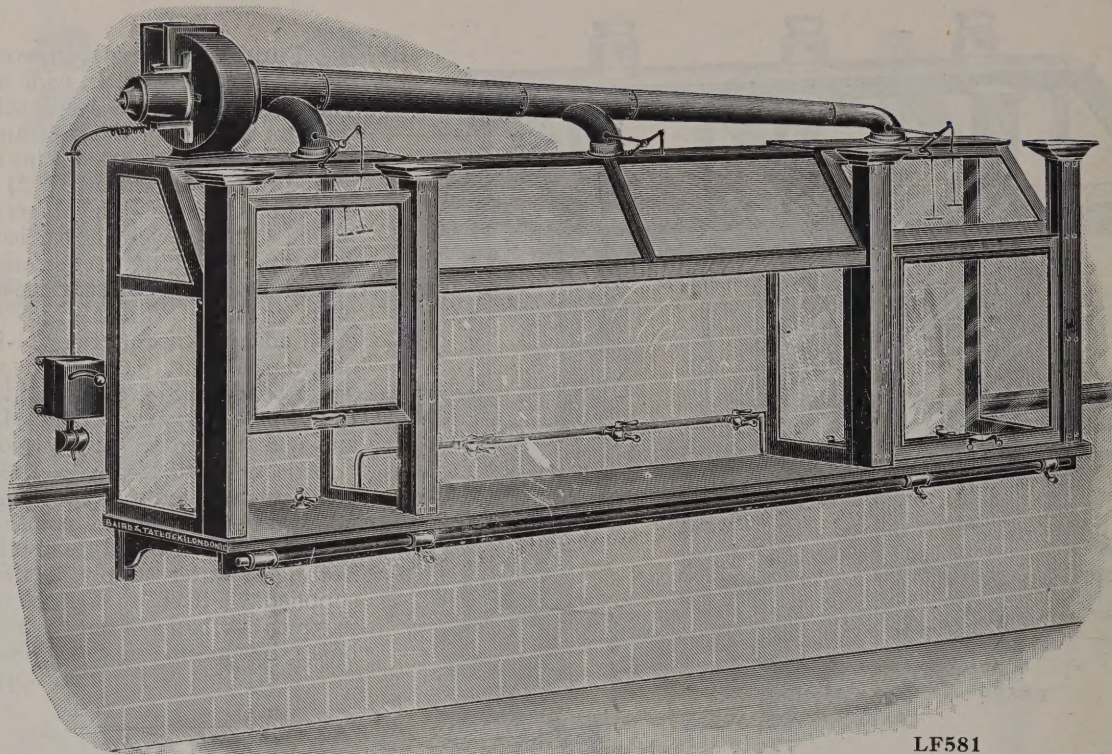
LF579 Fume Cupboards, three compartments, 12 ft. long, 2 ft. wide and 7 ft. 6 in. high overall. Solacite sole $1\frac{1}{4}$ in. thick on stand of pitch pine framing 3 ft. high. Cupboard of oak or pine framing, glazed top, ends, and front, 21 oz. best sheet glass. Three sliding doors counterpoised with lead weights, carried on best catgut lines running over strong pulleys sliding up and down in cornice mounted posts at side. Fitted into base in **each compartment** are one 1-in. white glazed earthenware drip waste with one water bend, LF814, over; controlled at front by LF813; two gas leads, LF852/3, and one Bunsen to flue, all controlled outside under ledge by LF848/9. All gas taps are fitted ready for connecting up to gas supply at one point. Water taps and bend fitted ready for connecting to water supply, but no waste supplied. Fitted on top of each compartment with one of our flue inspection boxes, but no flue pipes supplied
Price on application.



LF580

LF580 Combustion Hood, Solacite bench top supported on strong framed oak or pitch pine legs and framing, or on galvanized iron cantilevers. Hood of angle iron framing, either poulite or wired-glass panels with earthenware inspection socket, No. LF736, fitted on top. Top of bench fitted with two $\frac{3}{8}$ in. and one $\frac{1}{2}$ in. gas taps, No. LF858, and one white glazed earthenware sink $8 \times 6 \times 4$ in. with one water bend, No. LF813/814, over same; all controlled from front of bench Price on application.

Page 39

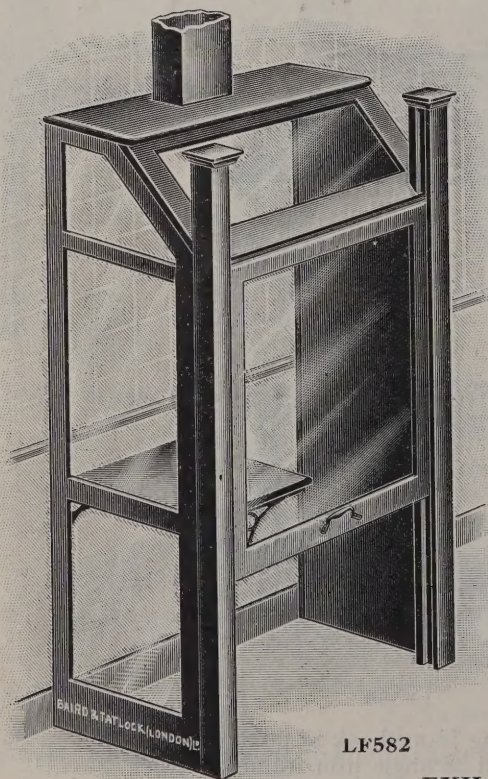


LF581

LF581 Combination Fume Cupboards and

Hood, consisting of 2 in. Solacite bench top 12 ft. long, 2 ft. wide, 3 ft. high from floor; supported on strong galvanized iron cantilevers. One 3 ft. fume cupboard placed at each end with combustion hood in centre; fume cupboards similar to No. LF576. Hood is constructed of angle iron and fitted with either poillite or wired-glass panels. The top of bench is supplied with two gas leads, LF852/3, in each fume cupboard and three $\frac{3}{8}$ in. gas taps, LF858, fixed on wall. Exhaust is constructed of strong galvanized sheet iron, with three inlets, each fitted with a damper for regulating suction; suction created by self-contained electric centrifugal exhaust fan. Supplied with switch and regulator Price on application.

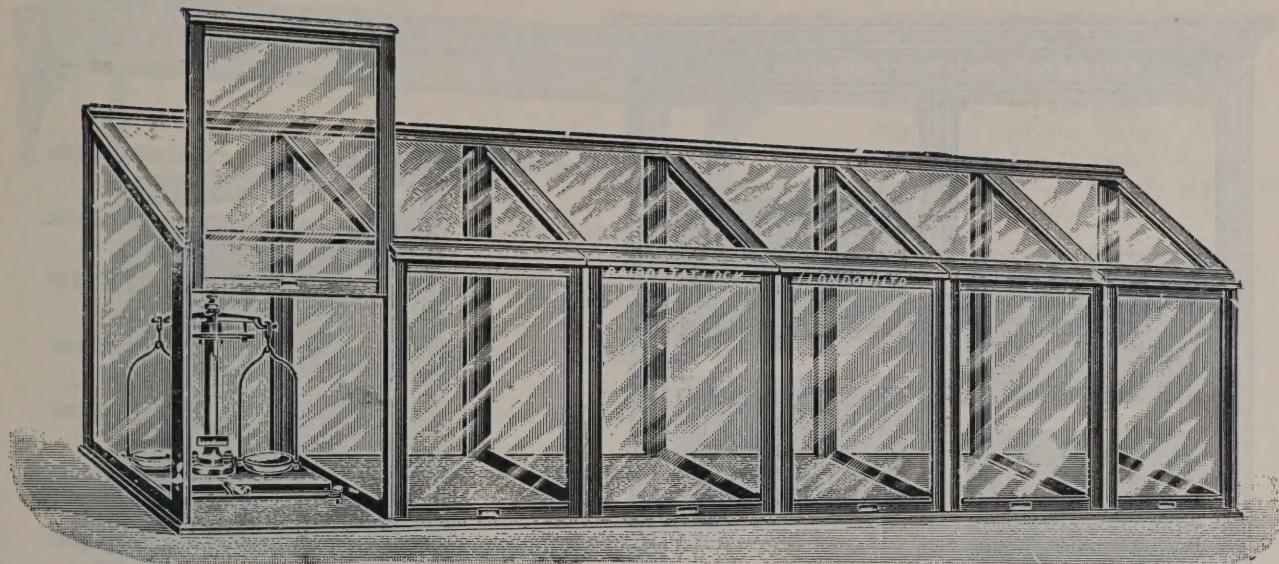
LF582 Smoke Cabinet, for smoking drums, etc., 4 ft. wide, 8 ft. high, 3 ft. back to front, made in oak or pitch pine. The cabinet has a sliding front, counterpoised with lead weights on strong catgut lines running over pulleys into boxes at side. One side of the cabinet is solid for fixing complete smoking apparatus, and a teak shelf is fitted for smaller apparatus. The cabinet can be fitted with an opening for the flue as shown £29 0 0



LF582

EXHAUSTS FOR FUMES.

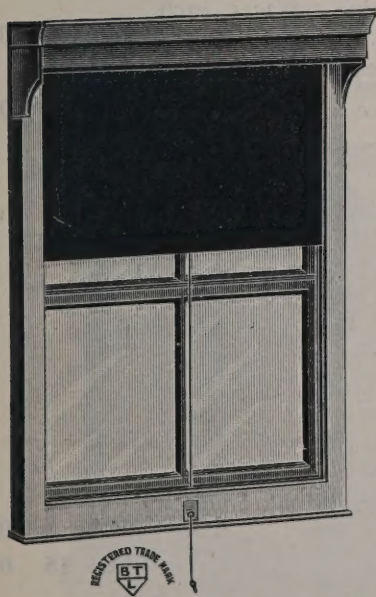
Where fumes are of a very corrosive nature they can be removed by the ejector principle, so that they do not come in contact with the blades of the fan. We shall be pleased to advise on this subject and to estimate for equipment.



LF583

LF583 Balance Case. The above illustration shows a case for six Balances suitable for fixing on wall either on iron cantilevers let into the wall, or on wood bracket legs, over-all size, 10 ft. 6 in. long, 18 in. wide, 24 in. high at front, and 29 in. high at back, door space about 20 in. wide, sliding doors counterpoised on lead weights hung over pulleys on catgut lines. All doors, ends, top, and divisions of glass framing, oak or mahogany, polished, with a teak sole. The above illustration is shown without any back for fitting against the wall d £29 0 0

Similar Cases can be supplied to suit any number of Balances required and any size. Price on application. Cases can also be made in collapsible sections to facilitate packing for shipment.

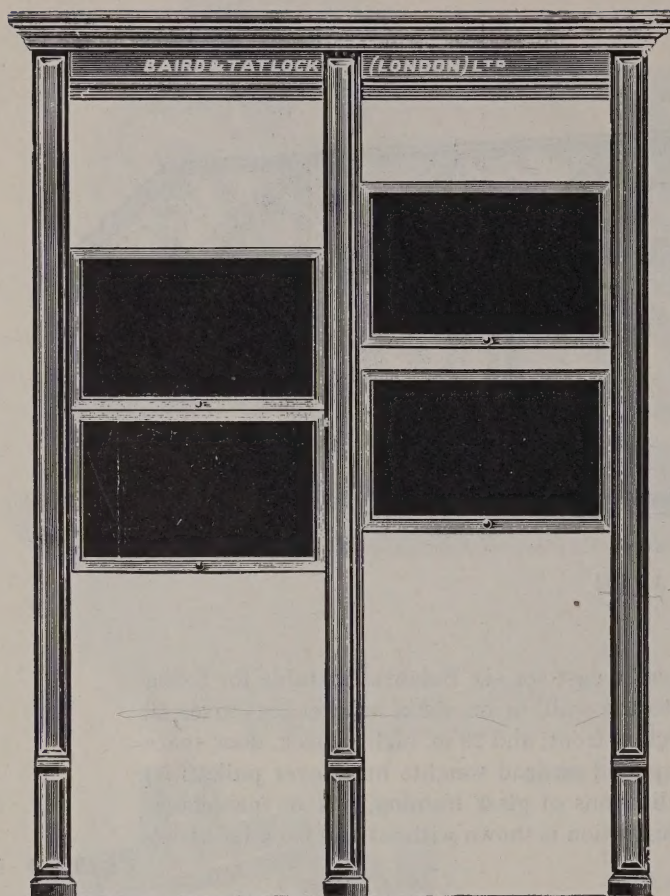


LF585

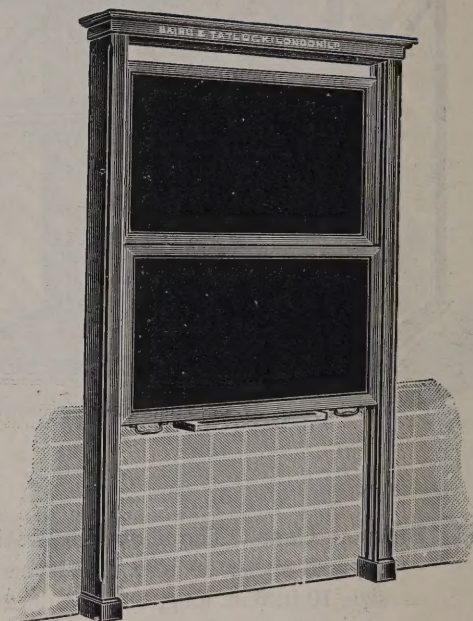
LF585 Dark Blind, with spring roller with box sides, top and bottom, fastening at bottom to hold cord when down. This blind is constructed of special material, and has been fitted by us in the dark-rooms of many research laboratories Price, d £6 0 0

LF586 Double Dark Blind, absolutely light-tight, for panchromatic plate work. Two blinds of best opaque cloth, mounted on English spring rollers with central pull and housed in light-tight cornice mounted box, each blind to pull down in deep grooving at sides, and shutting tight into groove at bottom, with brass cleat to hold same when down. To suit window opening 7 x 4 ft. d £15 15 0

Prices of other sizes, and dark blinds electrically controlled from lecture table, on application.



LF587



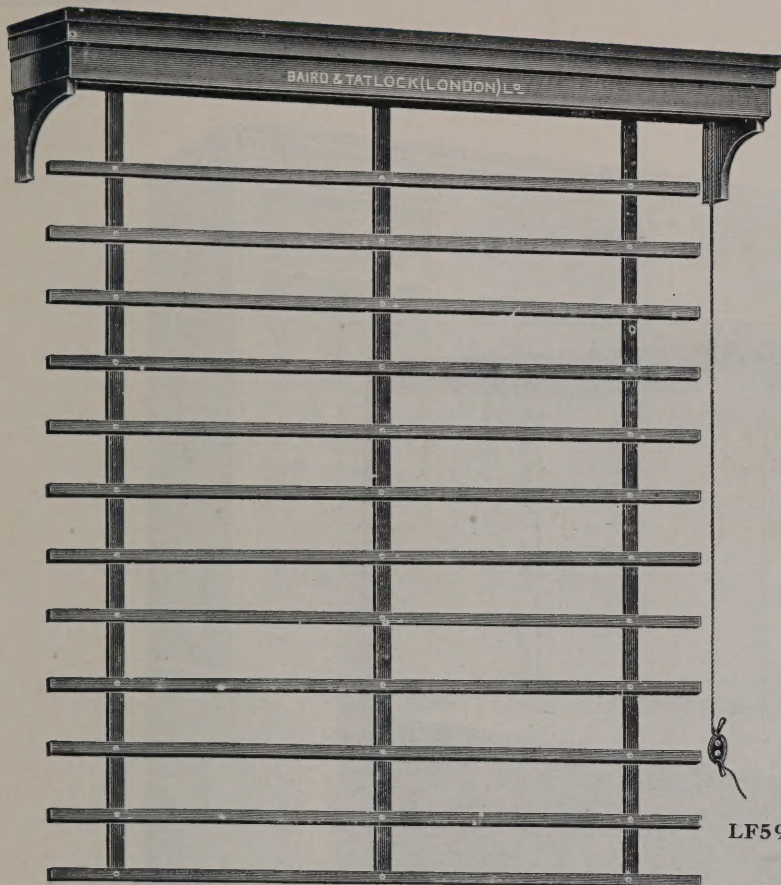
LF588

- LF587 Lecture Blackboard**, with four plate-glass writing surfaces, each 5 × 3 ft., counterpoised with lead weights, and hung on catgut lines sliding over brass pulley wheels. Oak or pitch pine framing and standards polished, for fixing to walls; total height, 12 ft. d £40 10 0
- LF588 Lecture Blackboard**, as LF587, but with only two plate-glass writing surfaces, each 5 × 3 ft.; total height, 10 ft. 6 in. d £25 0 0
- Blackboards of any size can be supplied to suit individual requirements.
- LF588A Lecture Blackboard**, as LF588, but with asbestos slate writing surface d £23 0 0



LF589

- LF589 Lecture Blackboard**, with ground plate-glass writing surface, 5 × 3 ft., in oak or pitch pine framing with chalk tray, to screw to wall d £8 5 0
- LF589A Lecture Blackboard** as LF589, but with asbestos slate writing surface d £4 15 0



LF590 Venetian or Roller

Blind suspension for attaching diagrams, made in various sizes according to requirement Price on application.

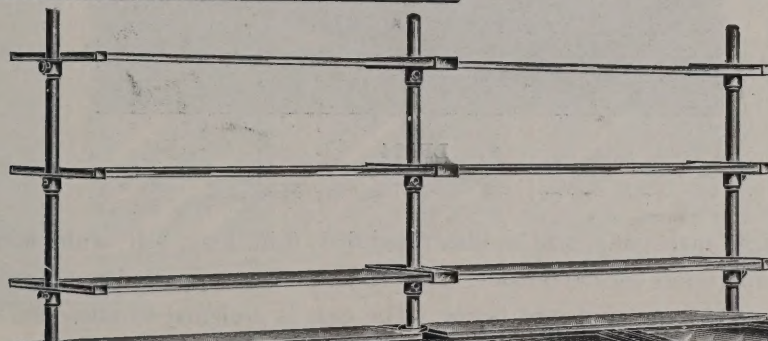
Price as figured, size 10 ft. long by 12 ft. high d £8 0 0

LF593 Museum Case, 10 ft.

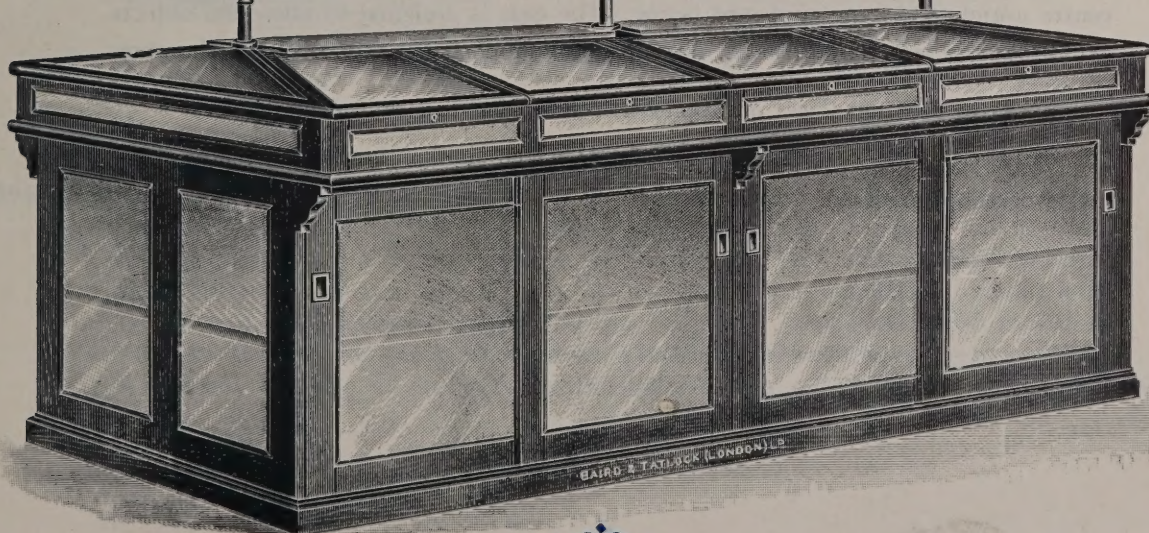
× 4 ft. × 3 ft. 10 in., exclusive of top shelves, made in mahogany, with sliding glass panelled doors running on ball bearing pulleys, under portion fitted with one movable shelf inside, upper part fitted with sloping hinged doors at back with mirror glass. Fitted on top are three plate-glass shelves adjustable on brass uprights. All cupboards fitted with locks

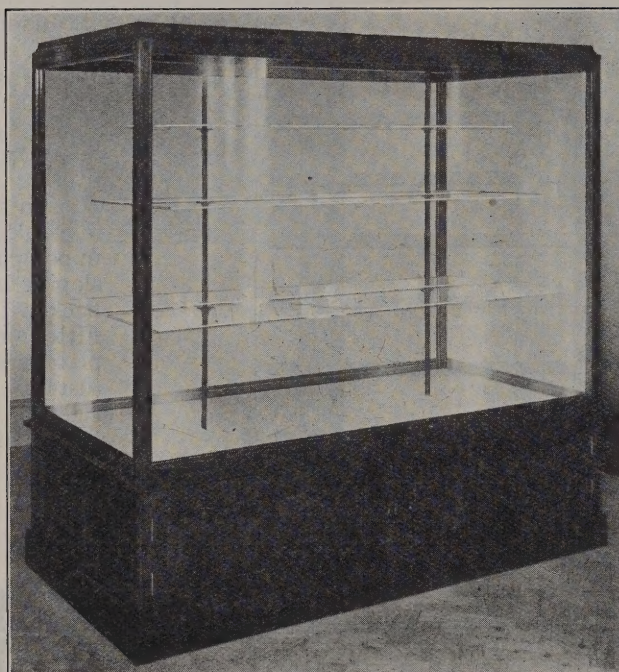
Price on application.

LF590



LF593



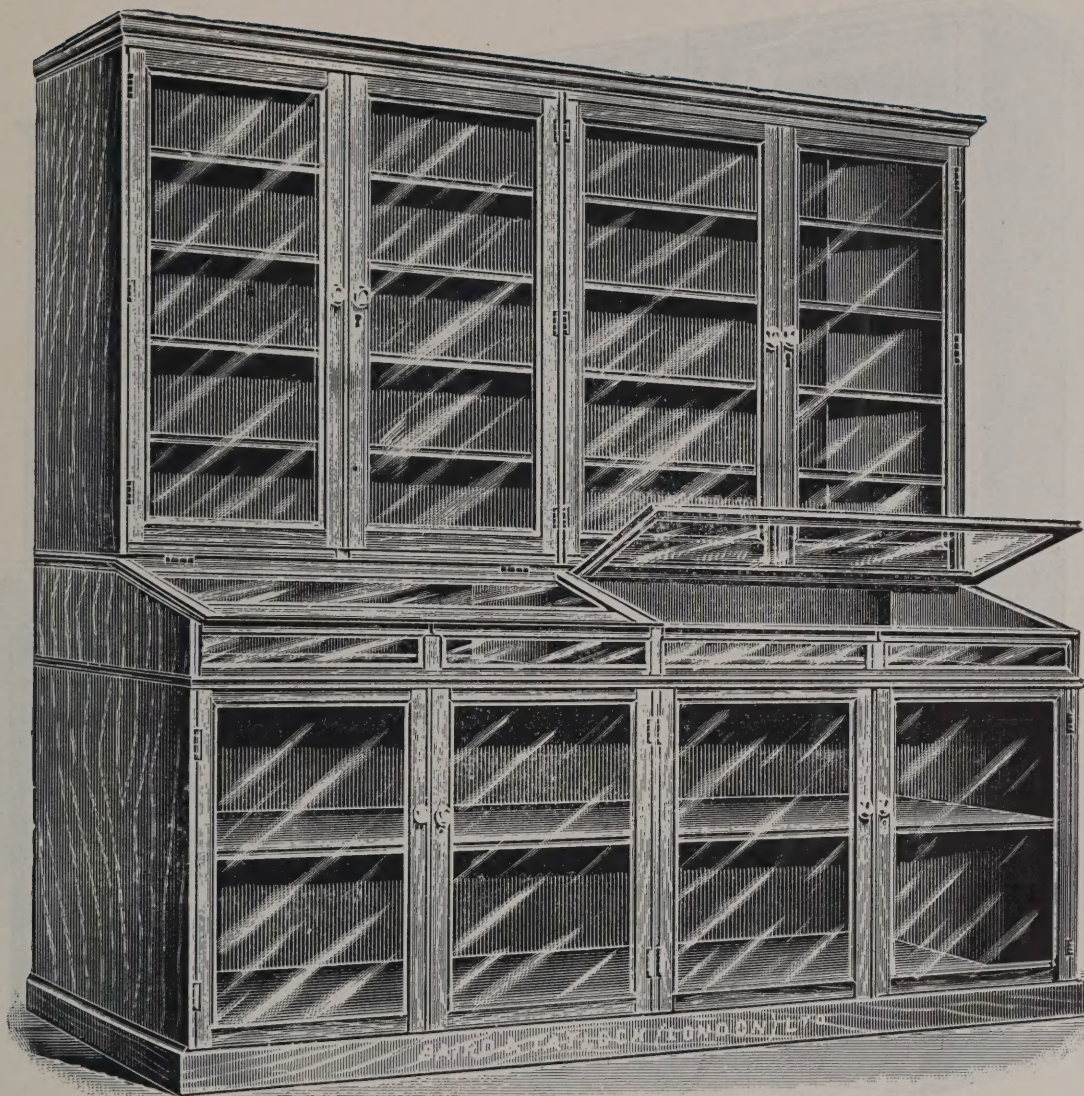


LF594

LF594 Museum Cases, in mahogany, size as illustrated 6 ft. 6 in. long, 3 ft. wide, 6 ft. high, plate glass sliding doors back and front. Plate glass shelves supported on brackets from centre uprights, storage cupboard below. The case is designed to allow the objects exhibited to be seen from all sides. Framing and supports are reduced to a minimum.

Prices of Museum Cases on application according to size and material.

See Preface for view of our showroom in which similar show cases, made in our own workshops are used.



LF595

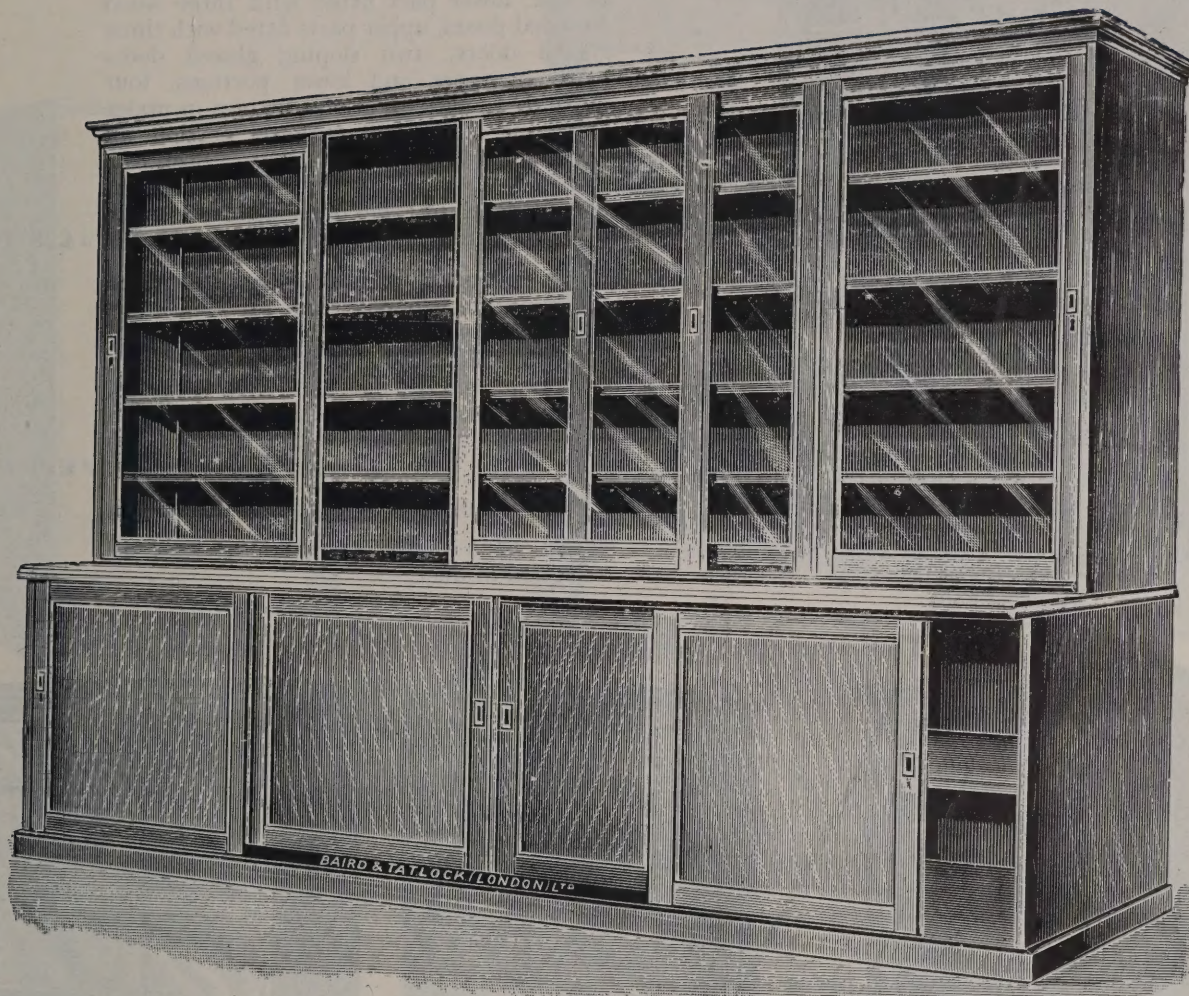
LF595 Apparatus or Museum Case, 8 ft. long by 7 ft. 9 in. total height. Made in oak or mahogany, polished, lower portion 2 ft. back to front, fitted with two pairs folding glass panelled doors with one shelf in centre, upper portion 9 in. back to front, with two pairs hinged glass panelled doors forming two compartments, each compartment having four plate-glass movable shelves, polished on edge, fitted on Tonk's adjustable rack and brackets. Between top and bottom portion a museum case with sloping glass panelled top, made to hinge up, all doors fitted with locks and keys Price in oak, ex Factory d £48 0 0



LF596

LF596 Museum Case, 10 ft. long by 7 ft. 9 in. total height, bottom portion 2 ft. deep, top portion 9 in. deep inside. Made in oak or mahogany, lower portion fitted with two single cupboards (with one shelf in centre), with glass panelled doors. Between the cupboards two nests of five drawers as illustration, upper portion fitted with two pairs hinged glass panelled doors forming two compartments, each compartment having four plate-glass movable shelves with polished edges fitted on Tonk's adjustable racks. Between top and bottom portion a museum case with sloping glass panelled top, hinged to lift up. All doors hinged and fitted with locks and keys Price in oak, ex Factory d £57 10 0

LF597 Museum Case, as above, but only 5 ft. long—half of the above illustration
Price in oak, ex Factory d £29 0 0



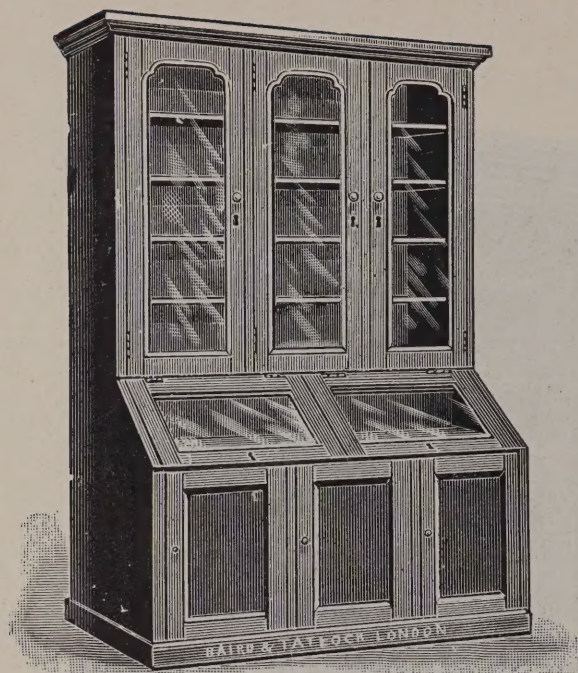
LF599

LF599 Apparatus Cupboard, made in oak or pitch pine, polished, size 9 ft. long and 7 ft. 9 in. total height, lower portion 21 in. back to front and 3 ft. high, fitted with two pairs of sliding wood panelled doors on ball bearing pulleys and track for same, forming two compartments, each having one shelf in centre, upper portion 13 in. deep, fitted with two pairs glass panelled doors on pulleys as before, and forming two compartments with movable shelves to each, fitted on Tonk's adjustable rack and brackets, all doors fitted with locks and keys (locks extra) Price ex Factory *d* £41 10 0

The sliding doors can also be fitted with hinges so that they open for cleaning.

These cupboards can be made with hinged doors and with sloping tops to avoid collection of dust.

Made also in any other size.

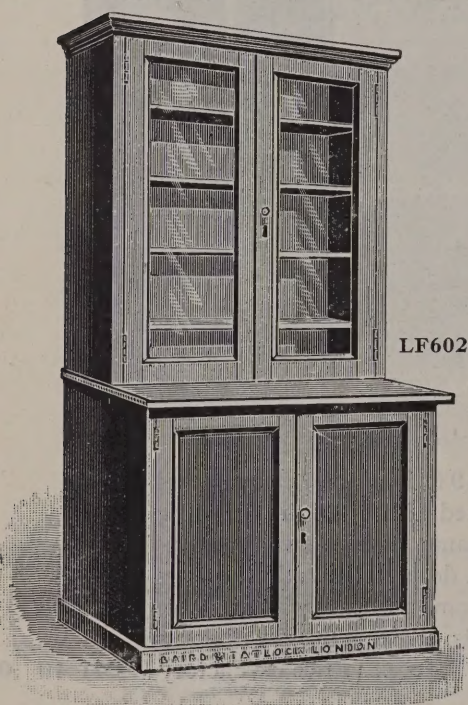


LF601

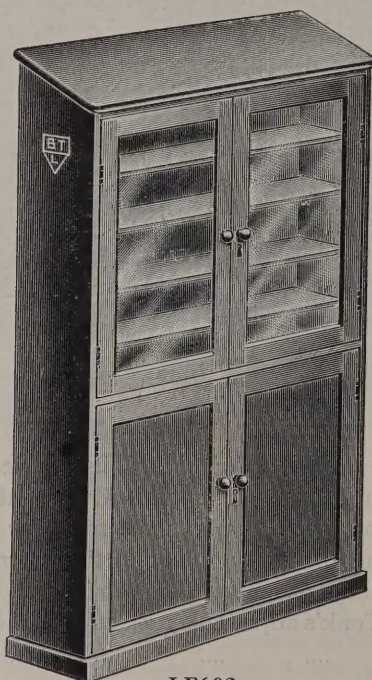
LF601 Museum Case or Apparatus Cupboard, made in best pitch pine, mahogany, or oak, lower part fitted with three wood panelled doors, upper parts fitted with three glazed doors, two sloping glazed doors between upper and lower portions, four movable shelves on patent fittings in upper part, one fixed shelf to lower portion, all doors fitted with locks and keys. Size, 7 ft. 6 in. $\times$ 5 ft. 6 in.; depth of top portion, 14 in.; depth of lower portion, 22 in. Price in oak or pitch pine d £28 10 0

LF602 Apparatus Cupboard, made in pitch pine, mahogany, or oak. Size, 7 ft. 6 in. $\times$ 4 ft. Upper portion with two glass doors and four movable shelves. Cupboards in under portion with wood panelled doors and shelf to centre, all doors fitted with locks and keys; depth of top portion, 13 in.; depth of lower portion, 20 in. Price in oak or pitch pine d £19 17 0

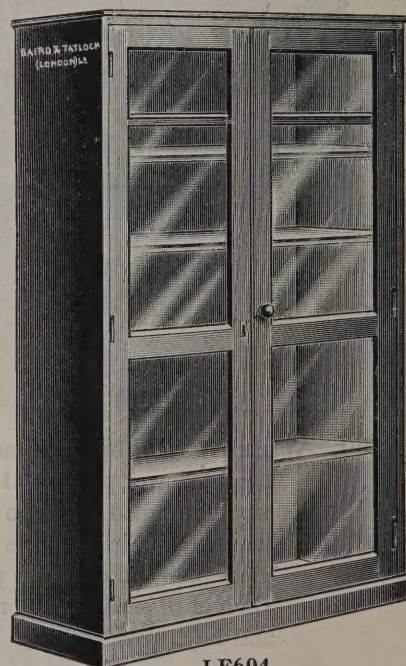
These cupboards can also be made with sliding doors and with sloping tops to avoid collection of dust.



LF602



LF603



LF604

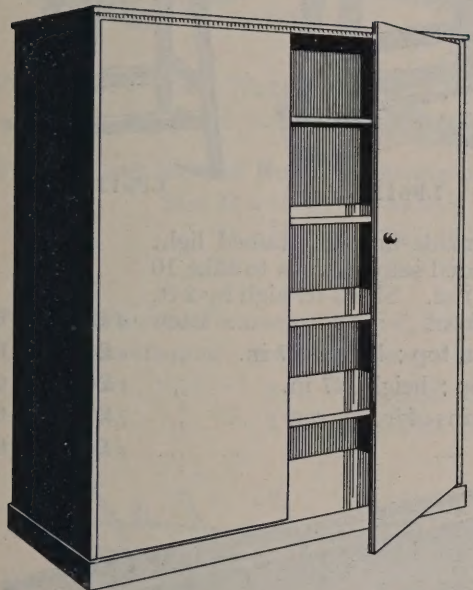
LF603 Apparatus or Store Cupboard, with sloping top, 3 ft. 6 in. wide, 6 ft. 0 in. high, 12 in. back to front, made in oak or pitch pine, interior best white deal, lower part one shelf on battens, upper part four shelves on Tonk's adjustable fittings d £15 17 6

LF604 Apparatus or Store Cupboard, 3 ft. 6 in. wide, 6 ft. 0 in. high and 12 in. back to front. Made in oak or pitch pine, interior best white deal, fitted with four shelves on Tonk's adjustable fittings d £13 0 0

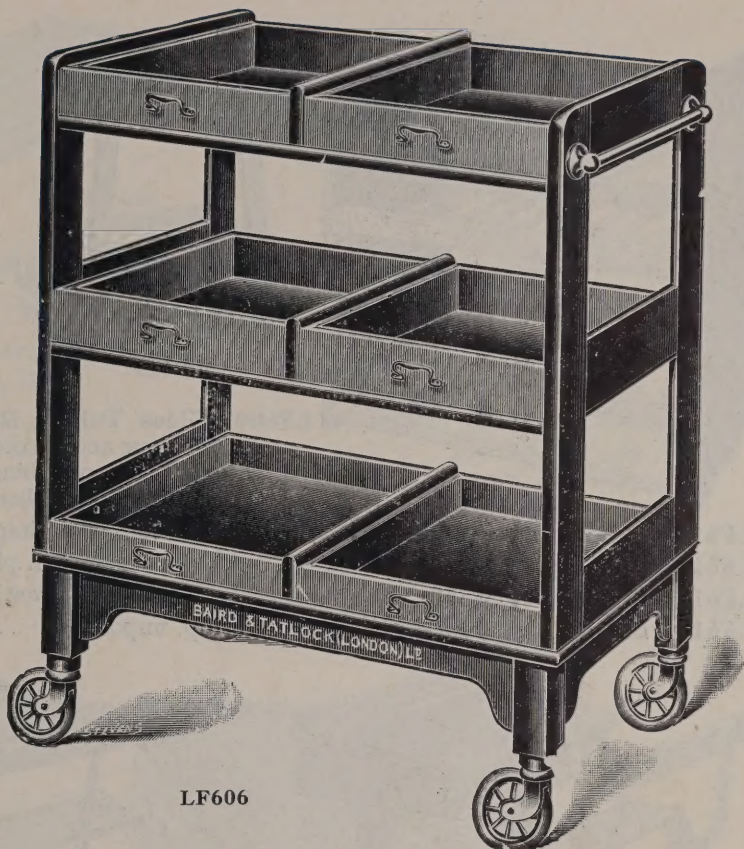


BAIRD & TATLOCK (LONDON) LIMITED

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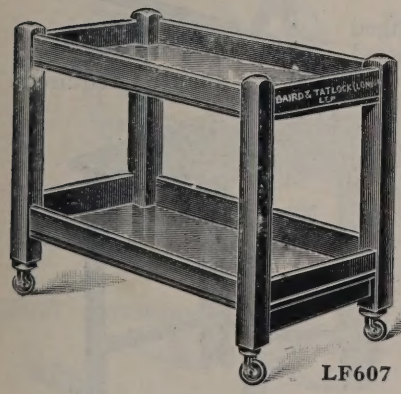


LF605

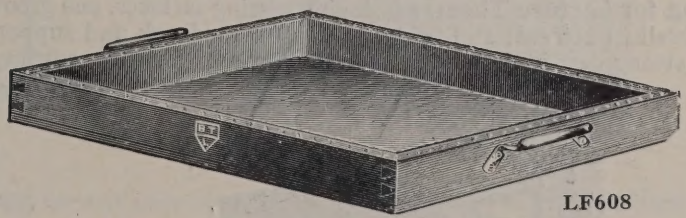


LF606

- LF605** Store Cupboard, made in oak or pitch pine, interior best white deal, fitted with four shelves on fillets, size 4 ft. long by 6 ft. high by 2 ft. back to front d £13 0 0
- LF606** Laboratory Truck, made of teak, length 36 in., height 47 in., width 26 in. Mounted on rubber-tyred wheels, and fitted with six sliding trays, 23 x 15½ in. inside. The four top trays are 3 in. deep, and the two bottom trays 2 in. deep. Price complete as illustrated each d £14 15 0

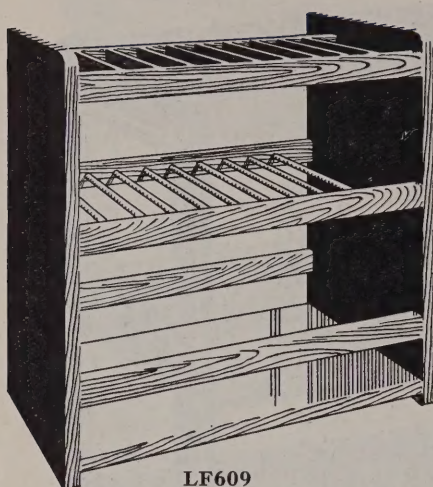


LF607



LF608

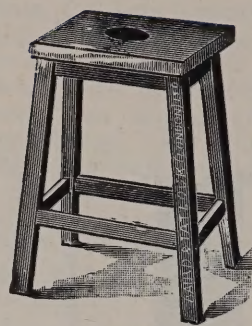
- LF607** Laboratory Truck. Constructed of oak, finished fume colour and polished. Mounted on strong rubber-tyred castors, no brass handles or rails. Size 33 in. high, 27 in. long, 15 in. wide d £5 5 0
- LF608** Lead-lined Tray, 24 x 18 in., constructed in oak, polished, dovetailed together and fitted with best brass polished lifts. Tray lined with 5 lb. milled best sheet lead; bossed into corners, and close copper nailed to top edge each d £6 0 0



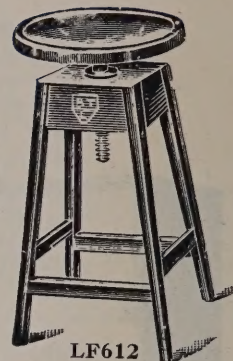
LF609



LF610



LF611



LF612

LF609 Glass Tubing Rack, made in oak, stained light fume colour and waxed, divided into sections to take 10 different sizes of tubing and rod. Size 3 ft. high by 2 ft. 4 ins. wide by 6 in. back to front each

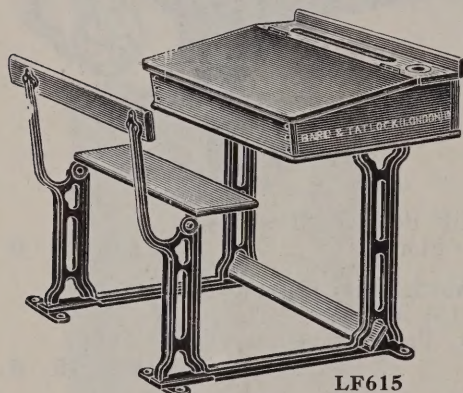
d £0 14 0

LF610 Laboratory Stools, of pitch pine, varnished, with shaped elm top; height 27 in. ,, c £1 1 0

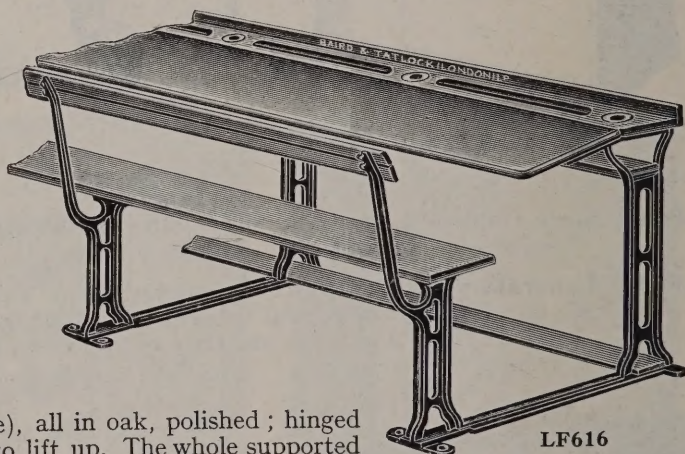
LF611 Laboratory Stools, of selected deal, varnished, with plain top; height 27 in. ,, c £0 15 6

LF612 Laboratory Stools, of oak, with seat to raise and lower by means of iron screw ,, f £1 15 0

LF613 Laboratory Stool, of beech, square top, unpolished ,, d £0 10 0



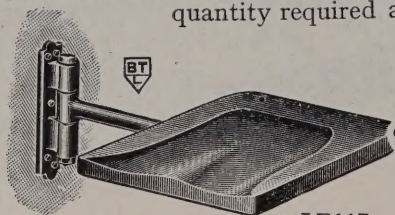
LF615



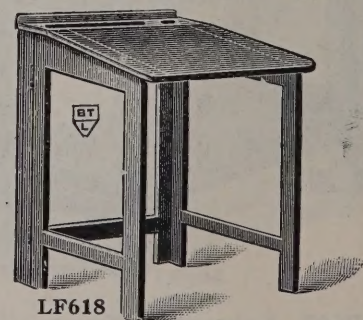
LF616

LF615 Box Type Student's Desk (Youth's size), all in oak, polished; hinged lid and pen groove and inkwell; seats to lift up. The whole supported on strong cast-iron standards. All as illustrated Prices as per quantity required.

LF616 Seating for Lecture Theatres, sloping writing surfaces, pen grooves, inkwells, fixed seat and back; all in polished oak and supported on strong cast-iron standards, as illustrated. Prices according to quantity required and conditions of site.



LF617



LF618

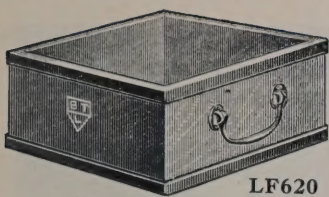
LF617 Elm Shaped Seat, polished, fixed on to hinged bracket for the purpose of fixing to side of bench, and capable of turning back into a knee space c £1 5 0

LF618 Examination or Occasional Desk, in polished oak, 2 ft. wide, 2 ft. back to front, and 2 ft. 6 in. high. Top to hinge down and fillet at back with pen groove and inkwell; leg frames to fold back so that when folded together desk measures 2 ft. 6 in. x 2 ft. 6 in., and so easy to pack each c £2 18 6

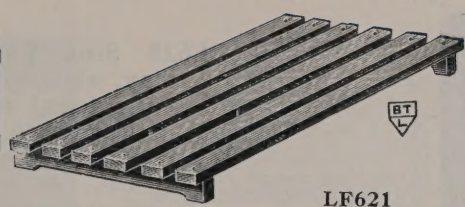


BAIRD & TATLOCK (LONDON) LIMITED

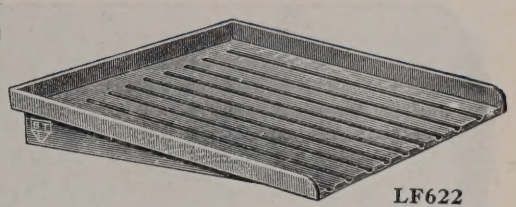
SECTION
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LF



LF620



LF621

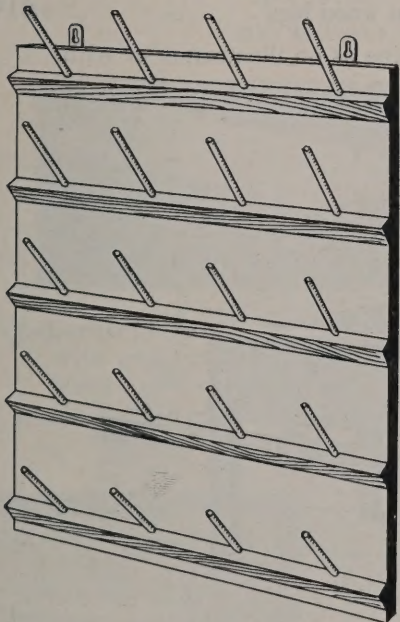


LF622

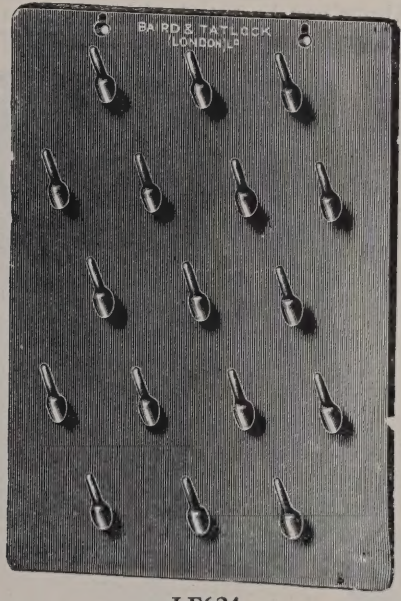
LF620 Zinc-lined Waste Box, 12 x 12 in. and 4½ in. deep. Box constructed in oak, polished, and fitted with fall-down brass lifts c£1 10 0

LF621 Teak Slotted Rack, for fitting to bottoms of sinks, etc.
Size 27 x 15 in. for 30 x 18 x 10 in. sink c£1 3 0
,, 21 x 15 ,, 24 x 18 x 10 ,, ... c£1 0 0
,, 15 x 9 ,, 18 x 12 x 10 ,, ... c£0 15 0

LF622 Grooved Draining Board, for laying on bench top, board to slope to sink, with fillet surround ; grooves arranged parallel. The whole in teak, oiled and waxed
3 ft. x 2 ft. 0 in. c£3 3 0
3 ft. x 1 ft. 6 in. c£2 18 0



LF623

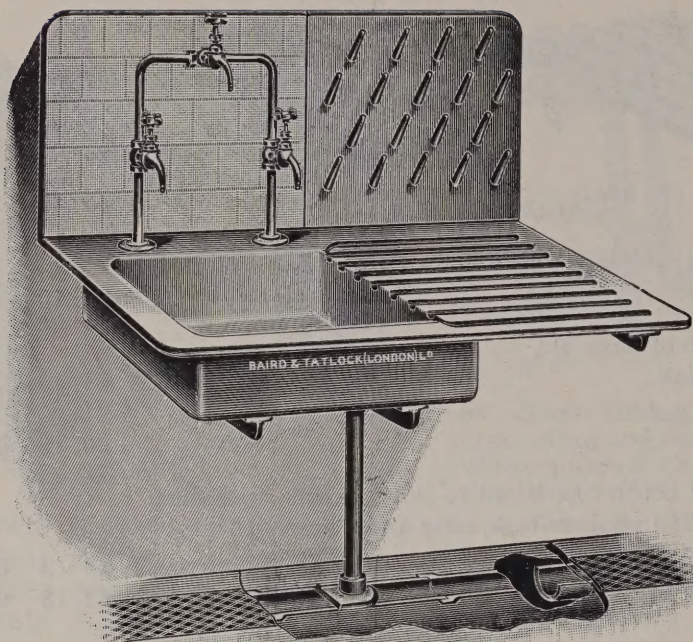


LF624

LF623 Draining Board, of teak, to hang on wall over or at side of sink, fitted with 20 pegs fitted to splayed fillet and battened at back.
(a) Size 3 ft. high by 2 ft. broad c£1 10 0
(b) Size 2 ft. high by 1 ft. 6 in. broad c£1 3 0

LF624 Draining Boards, of teak, adapted to hang on wall at side of sink, and fitted with solid teak pegs with tapered ends as illustrated.
(a) Size 3 ft. high by 2 ft. broad each c£2 11 0
(b) Size 2 ft. high by 1 ft. 6 in. broad ,, c£1 15 0

Any other sizes made to order.

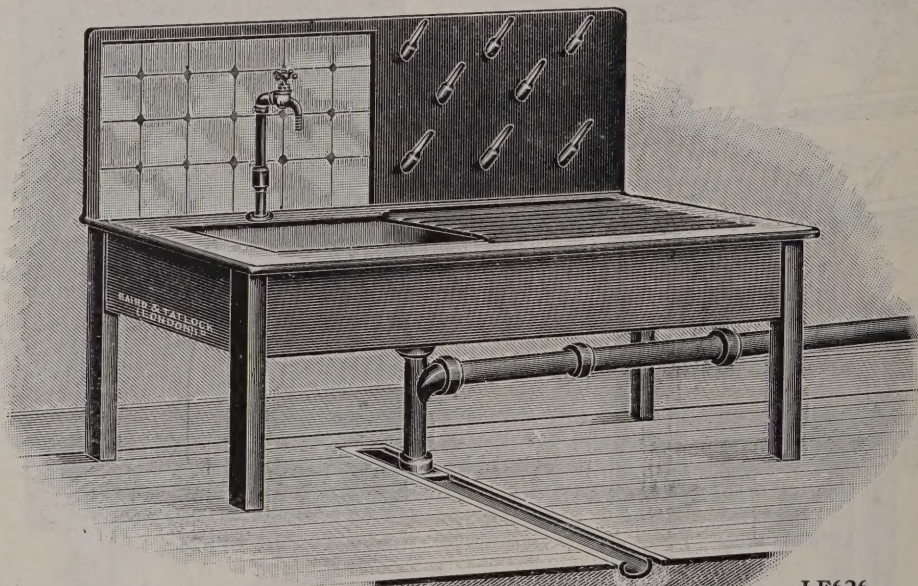


LF625

LF625 Sink, Enamelled Fire-clay, white glazed inside and out, internal measurements 27 in. long, 15 in. wide, and 8 in. deep, for fitting against wall as shown. A teak frame fitted over sink with draining board at right-hand end, 3 ft. long and 2 ft. wide. At back of sink on right hand is a teak pegged draining board, and the left-hand end is covered with white glazed tiles. A strong gun-metal standard with three gun-metal water taps, LF782, $\frac{3}{8}$ in. bore, are fitted over sink; the standard is fitted with back-nut and unions for connecting up to water supply, and the sink is supported on galvanized iron cantilevers, or wood legs if cantilevers are not suitable.

On cantilevers	....	....	£18	0	0
On wood legs	....	....	£19	5	0

Above can be fitted with $1\frac{1}{2}$ in. cane glazed waste pipe as on illustration or with $1\frac{1}{2}$ in. S or P trap (Figs. LF722/3 or LF724/5).

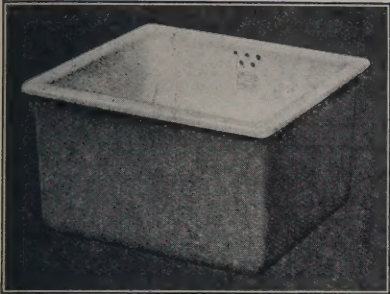


LF626

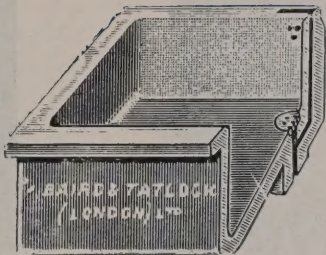
LF626 Sink, 24 x 18 x 10 in., white glazed inside, cane glazed outside; fitted into teak top $1\frac{1}{8}$ in. finished thickness; 5 ft. long, 2 ft. 3 in. wide, 2 ft. 8 in. high from floor; grooved drainer at right-hand side with grooves sloping to sink; white glazed tiled back; framed teak, with teak pegged draining board over grooved drainer, to fix to wall; fitted over sink one gun-metal water standard tap, No. LF330. The whole of above carried on strong oak or pitch pine framing and legs, given two coats shellac d £16 15 0

This sink could be supplied with two water taps, one hot and one cold, No. LF330; waste pipes, etc., supplied as necessary. If sink 30 x 18 x 10 in., teak top would be 6 ft. x 2 ft. 3 in. d £18 10 0

If sink 36 x 18 x 10 in., teak top would be 6 ft. 6 in. x 2 ft. 3 in. d £20 10 0



LF627-631



Section of Nos. LF627-LF631

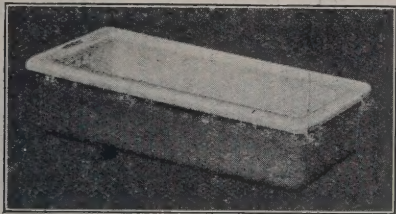


LF632

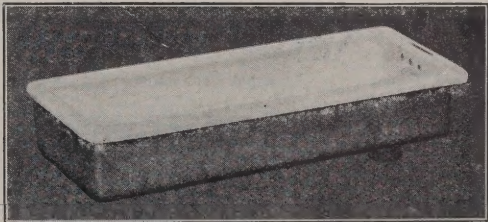
Laboratory Sinks of enamelled fireclay, white glazed inside, cane glazed outside, with white glazed perforated fireclay grating and spigot outlet at bottom for connecting to waste pipe, fitted with **overflow at side**. Designed for fitting into benches.

LF627	Inside Measurements, 8 × 6 × 4 in. deep	....	....	....	....	each	a	£0	18	0
LF628	“ “ 10 × 8 × 6 “	....	....	....	....	“	a	£1	2	0
LF629	“ “ 10 × 10 × 6 “	....	....	....	....	“	a	£1	5	0
LF630	“ “ 12 × 9 × 6 “	....	....	....	....	“	a	£1	5	0
LF631	“ “ 14 × 10 × 6 “	....	....	....	....	“	b	£1	7	6
LF632	“ “ 20 × 10 × 6 “	....	....	....	....	“	b	£1	15	0

Sinks as above but without overflow can be made to order.



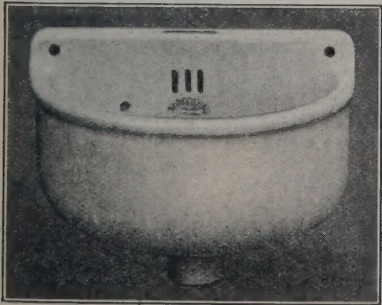
LF634



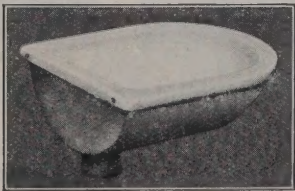
LF635

Laboratory Sinks, of enamelled fireclay, white glazed inside, cane glazed outside, with perforated fireclay grating, secret overflow and spigot outlet for connection to waste. Designed for fitting into benches.

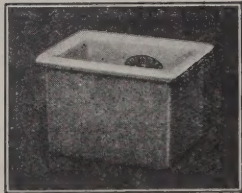
LF634	Inside measurements 18 × 7 × 4 in. deep	....	....	....	....	....	b	£1	4	0
LF635	“ “ 24 × 7 × 4 “	....	....	....	....	....	b	£1	9	0



LF636

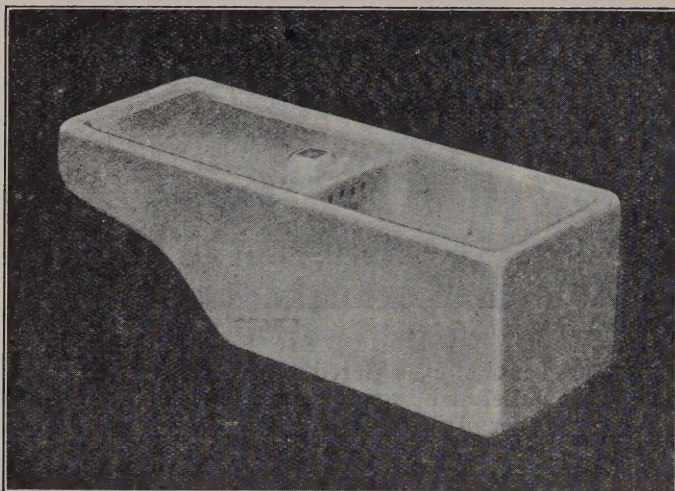


LF638

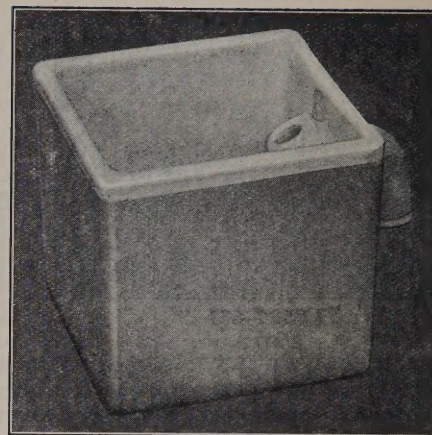


LF639

LF636	Laboratory Sinks, half round, for fixing to end of bench, of white enamelled fireclay, glazed inside and out, 12 × 7 × 6 in. inside measurement, with overflow	....	....	....	....	each	a	£1	10	0
LF637	Laboratory Sink, half round, 16 × 10 × 8 in., as above	....	....	....	....	each	a	£2	5	0
LF638	Laboratory Sink, enamelled fireclay, white inside, cane glazed outside, new pattern , for botanical laboratories, etc. Size, 8 × 6 × 3 in. deep inside	....	....	....	....	each	a	£0	17	6
LF639	Laboratory Sink, of enamelled fireclay, white inside, cane glazed outside, small size, suitable for histological laboratories, etc. Size, 5 × 3½ × 4 in. deep inside	....	....	....	....	each	a	£0	15	6



LF640



LF641

LF640 Laboratory Sink, of enamelled fireclay, white glazed inside and outside, as designed for use in clinical research laboratories, etc., with draining tray having hole for water tap. Size of sink inside, $12 \times 9 \times 8$ in. ; size of tray, $14\frac{1}{4} \times 11$ in. ; size over all, $27 \times 11 \times 9$ in.

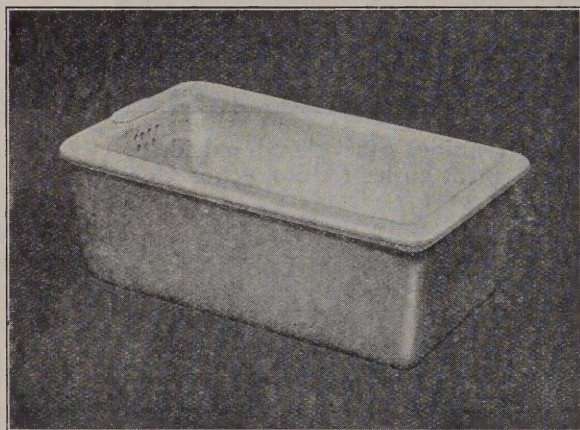
each a £3 1 0

LF641 Laboratory Traps, with syphon over pipe of white-glazed fireclay inside, cane glazed outside, $10\frac{1}{2} \times 10\frac{1}{2} \times 10\frac{1}{2}$ in. inside, the syphon fitted with clearing hole and I.R. stopper

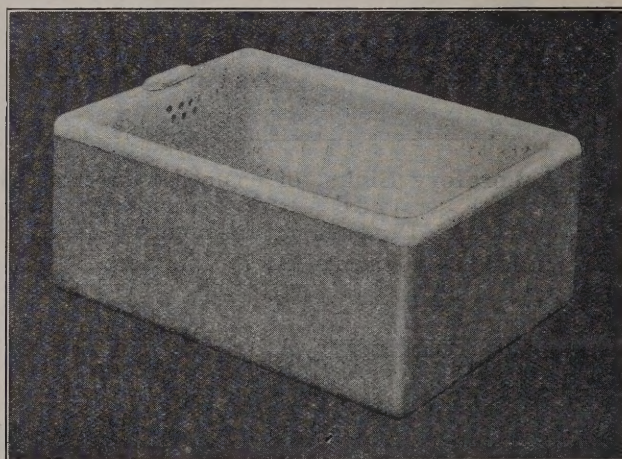
each c £1 12 6

LF642 Settling Tank, fireclay, white glazed inside, cane glazed outside, $12 \times 10 \times 8$ in. inside These prevent strong acid or mercury getting into waste pipe.

c £1 12 6



LF643-LF646



LF647-LF656

Laboratory Sinks, enamelled fireclay, white inside, cane glazed outside, with overflow—

Measurements outside				Measurements outside			
LF643	$24 \times 15 \times 8\frac{1}{2}$ in.	....	each c £1 15 0	LF645	$30 \times 17 \times 9$ in.	....	each c £2 11 0
LF644	$27 \times 17 \times 9$ in.	....	.. c £2 5 0	LF646	$36 \times 17 \times 9$ in.	....	.. b £3 9 0

(See Figs. LF663 to LF666 for Plugs and Gratings suitable for above.)

Laboratory Sinks, fireclay, white enamelled inside, cane glazed outside, with overflow—

Measurements outside				Measurements outside			
LF647	$18 \times 12 \times 8$ in.	....	each d £1 4 0	LF653	$33 \times 18 \times 10$ in.	....	each d £3 14 0
LF648	$24 \times 16 \times 7$ in.	....	.. d £1 11 0	LF654	$36 \times 18 \times 10$ in.	....	.. d £3 15 0
LF649	$24 \times 16 \times 10$ in.	....	.. d £1 17 6	LF655	$42 \times 24 \times 12$ in.	....	.. c £8 10 0
LF650	$24 \times 18 \times 10$ in.	....	.. d £2 2 0	LF656	$48 \times 24 \times 12$ in.	....	.. b £9 10 0
LF651	$27 \times 18 \times 10$ in.	....	.. d £2 6 0				
LF652	$30 \times 18 \times 10$ in.	....	.. d £2 11 0				

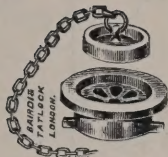
The prices of Sinks, Nos. LF647-LF656, do not include Brass Gratings, etc. See Nos. LF663-LF666.



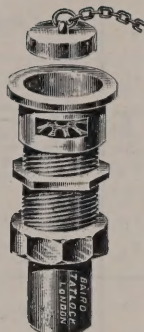
LF660-LF661



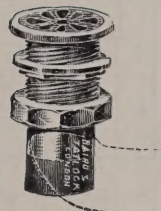
LF662



LF663



LF664

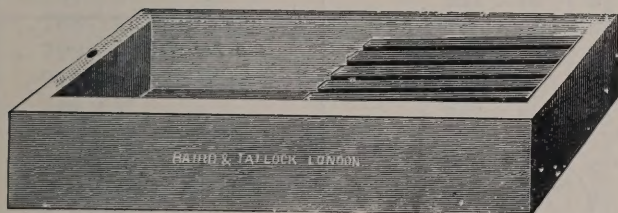


LF665

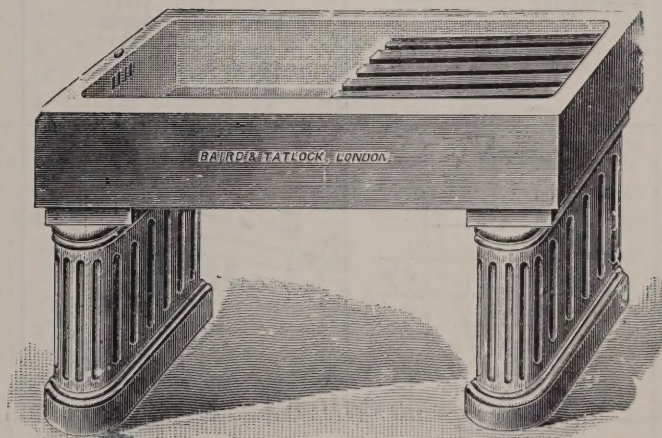


LF666

LF660	Lignum Vitae Gratings and Overflow Pipes, to suit Sinks Nos. LF627-LF636	each	c	£0	6	0	
LF661	Vulcanite Gratings and Overflow Pipes, to suit Sinks Nos. LF627-LF636	„	c	£0	6	6	
LF662	Brass Grating and Plug with Chain, to suit Sinks Nos LF627-LF636	....	„	c	£0	3	6
LF663	Brass Plugs and Grating, to suit Sinks Nos. LF643-LF656	....	„	c	£0	3	6
LF664	Brass Plugs and Grating, washer for waste and overflow, with nut and union, 3½ in. at flange, 2 in. outlet, with plug to suit Sinks Nos. LF643-LF656	....	each	b	£0	16	0
LF665	Grating, with nut and bent or straight union, to suit Sinks Nos. LF643-LF656	„	b	£0	14	0	
LF666	Acid Proof Plug, Grating and Connector, for connecting sink to waste and overflow. The grating and connector are brass coated with ebonite wherever it comes into contact with liquid, thus having the strength of brass and resistance to corrosive fluids of ebonite. Size at flange, 3½ in., 2 in. outlet, to suit Sinks LF643-LF656	....	each	c	£1	15	0



LF667-668

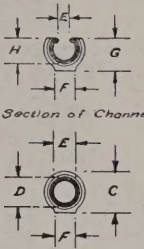
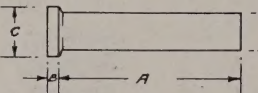
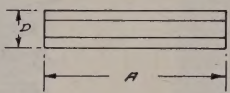
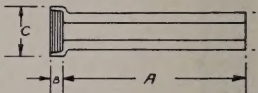
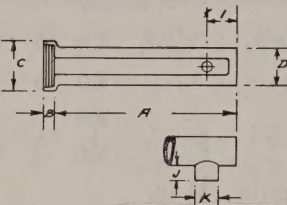
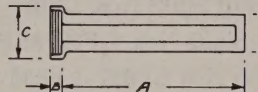
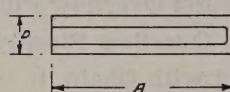
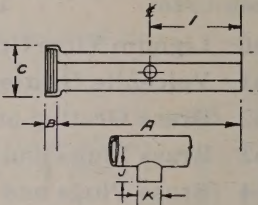
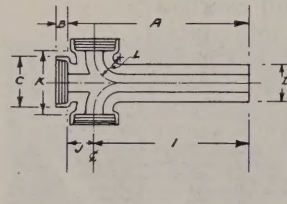
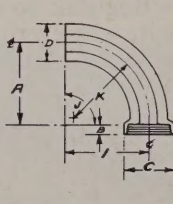
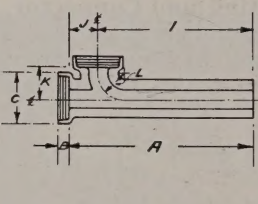
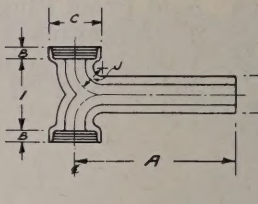
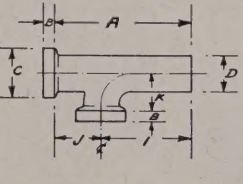
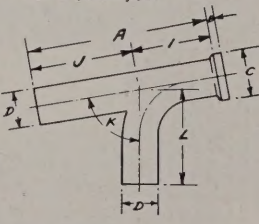
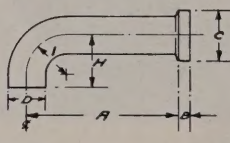
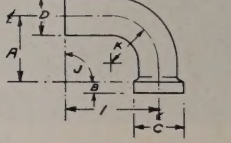
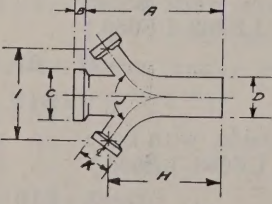
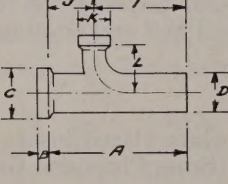
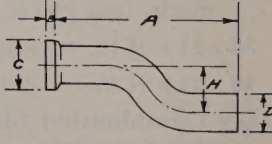


LF669-670

Laboratory Combination Sink, with white glazed corrugated drainer and overflow, white glazed inside, cane glazed outside. (Brass Plugs and Gratings extra, see Nos. LF663-LF666.)							
LF667	36 × 21 × 9½ in. outside	....	....	....	....	each	c £7 10 0
LF668	48 × 24 × 9½ in. „	....	....	....	....	„	c £11 0 0
Laboratory Combination Sink, as above, white glazed inside, cane glazed outside, with cane glazed supports— (Brass Plugs and Gratings, see Nos. LF663-LF666.)							
LF669	36 × 21 × 9½ in. outside	....	....	....	....	each	c £10 0 0
LF670	48 × 24 × 9½ in. „	....	....	....	....	„	c £14 0 0

Channels and Full Pipes

(For dimensions see opposite page)

 Section of Channel. Section of Full Pipe.	L.F. 680-681 	L.F. 682-683. 	L.F. 684-687. 
L.F. 688-689. 	L.F. 690-691 	L.F. 692-693. 	L.F. 694-695 
L.F. 696-697. 	L.F. 698-701 	L.F. 702-705. 	L.F. 706-707. 
L.F. 708-709. 	L.F. 710-711. 	L.F. 712-717. 	L.F. 718-721. 
X. 1 	X 2-3. 	X. 4. 	

Channels and Full Pipes

DIMENSIONS—(Approximate only)

Cat. No.	Description.	A	B	C	D	E	F	G	H	I	J	K	L
LF680	4" Full Pipe	24"	1 $\frac{1}{2}$ "	6 $\frac{1}{2}$ "	5"	4"	3 $\frac{1}{4}$ "	—	—	—	—	—	—
„ 681	3" Full Pipe	24"	1 $\frac{1}{2}$ "	5 $\frac{1}{2}$ "	4"	3"	3"	—	—	—	—	—	—
„ 682	4" Channel	24"	1 $\frac{1}{2}$ "	—	5"	2 $\frac{3}{8}$ "	—	—	4"	—	—	—	—
„ 683	3" Channel	24"	1 $\frac{1}{2}$ "	—	4"	1 $\frac{7}{8}$ "	—	—	3 $\frac{1}{2}$ "	—	—	—	—
„ 684	4" Channel with faucet	24"	1 $\frac{1}{2}$ "	6 $\frac{1}{2}$ "	5"	2 $\frac{3}{8}$ "	3 $\frac{1}{4}$ "	4 $\frac{7}{8}$ "	4"	—	—	—	—
„ 685	4" „ „ „ (12)	12"	1 $\frac{1}{2}$ "	6 $\frac{1}{2}$ "	5"	2 $\frac{3}{8}$ "	3 $\frac{1}{4}$ "	4 $\frac{7}{8}$ "	4"	—	—	—	—
„ 686	3" „ „ „	24"	1 $\frac{1}{2}$ "	5 $\frac{1}{2}$ "	4"	1 $\frac{7}{8}$ "	3"	4 $\frac{3}{8}$ "	3 $\frac{1}{2}$ "	—	—	—	—
„ 687	3" „ „ „ (12)	12"	1 $\frac{1}{2}$ "	5 $\frac{1}{2}$ "	4"	1 $\frac{7}{8}$ "	3"	4 $\frac{3}{8}$ "	3 $\frac{1}{2}$ "	—	—	—	—
„ 688	4" Channel, stop end spigot	24"	1 $\frac{1}{2}$ "	6 $\frac{1}{2}$ "	5"	2 $\frac{3}{8}$ "	3 $\frac{1}{4}$ "	4 $\frac{7}{8}$ "	4"	4"	2"	3"	—
„ 689	3" „ „ „	24"	1 $\frac{1}{2}$ "	5 $\frac{1}{2}$ "	4"	1 $\frac{7}{8}$ "	3"	4 $\frac{3}{8}$ "	3 $\frac{1}{2}$ "	4"	2"	3"	—
„ 690	4" Channel, stop end	24"	1 $\frac{1}{2}$ "	6 $\frac{1}{2}$ "	5"	2 $\frac{3}{8}$ "	3 $\frac{1}{4}$ "	4 $\frac{7}{8}$ "	4"	—	—	—	—
„ 691	3" „ „ „	24"	1 $\frac{1}{2}$ "	5 $\frac{1}{2}$ "	4"	1 $\frac{7}{8}$ "	3"	4 $\frac{3}{8}$ "	3 $\frac{1}{2}$ "	—	—	—	—
„ 692	4" „ „ „ no faucet	24"	1 $\frac{1}{2}$ "	—	5"	2 $\frac{3}{8}$ "	—	—	4"	—	—	—	—
„ 693	3" „ „ „	24"	1 $\frac{1}{2}$ "	—	4"	1 $\frac{7}{8}$ "	—	—	3 $\frac{1}{2}$ "	—	—	—	—
„ 694	4" Channel, spigot	24"	1 $\frac{1}{2}$ "	6 $\frac{1}{2}$ "	5"	2 $\frac{3}{8}$ "	3 $\frac{1}{4}$ "	4 $\frac{7}{8}$ "	4"	12"	2"	3"	—
„ 695	3" „ „ „	24"	1 $\frac{1}{2}$ "	5 $\frac{1}{2}$ "	4"	1 $\frac{7}{8}$ "	3"	4 $\frac{3}{8}$ "	3 $\frac{1}{2}$ "	12"	2"	3"	—
„ 696	4" Channel, 3-way junction	24"	1 $\frac{1}{2}$ "	6 $\frac{1}{2}$ "	5"	2 $\frac{3}{8}$ "	3 $\frac{1}{4}$ "	4 $\frac{7}{8}$ "	4"	20 $\frac{1}{2}$ "	3 $\frac{1}{2}$ "	8 $\frac{1}{2}$ "	3 $\frac{1}{2}$ "
„ 697	3" „ „ „	24"	1 $\frac{1}{2}$ "	5 $\frac{1}{2}$ "	4"	1 $\frac{7}{8}$ "	3"	4 $\frac{3}{8}$ "	3 $\frac{1}{2}$ "	20 $\frac{1}{2}$ "	3 $\frac{1}{2}$ "	8 $\frac{1}{2}$ "	3 $\frac{1}{2}$ "
„ 698	4" Channel, full bend	10 $\frac{1}{2}$ "	1 $\frac{1}{2}$ "	6 $\frac{1}{2}$ "	5"	2 $\frac{3}{8}$ "	3 $\frac{1}{4}$ "	4 $\frac{7}{8}$ "	4"	11"	90°	9 $\frac{7}{8}$ "	—
„ 699	3" „ „ „	10"	1 $\frac{1}{2}$ "	5 $\frac{1}{2}$ "	4"	1 $\frac{7}{8}$ "	3"	4 $\frac{3}{8}$ "	3 $\frac{1}{2}$ "	11"	90°	9 $\frac{5}{8}$ "	—
„ 700	4" Channel, easy bend	12 $\frac{1}{2}$ "	1 $\frac{1}{2}$ "	6 $\frac{1}{2}$ "	5"	2 $\frac{3}{8}$ "	3 $\frac{1}{4}$ "	4 $\frac{7}{8}$ "	4"	6 $\frac{1}{2}$ "	60°	14 $\frac{1}{2}$ "	—
„ 701	3" „ „ „	13"	1 $\frac{1}{2}$ "	5 $\frac{1}{2}$ "	4"	1 $\frac{7}{8}$ "	3"	4 $\frac{3}{8}$ "	3 $\frac{1}{2}$ "	6"	60°	15 $\frac{1}{2}$ "	—
„ 702	4" Channel, R.H. junction	24"	1 $\frac{1}{2}$ "	6 $\frac{1}{2}$ "	5"	2 $\frac{3}{8}$ "	3 $\frac{1}{4}$ "	4 $\frac{7}{8}$ "	4"	20 $\frac{1}{2}$ "	3 $\frac{1}{2}$ "	4 $\frac{1}{2}$ "	3 $\frac{1}{2}$ "
„ 703	4" „ „ L.H. „	24"	1 $\frac{1}{2}$ "	6 $\frac{1}{2}$ "	5"	2 $\frac{3}{8}$ "	3 $\frac{1}{4}$ "	4 $\frac{7}{8}$ "	4"	20 $\frac{1}{2}$ "	3 $\frac{1}{2}$ "	4 $\frac{1}{2}$ "	3 $\frac{1}{2}$ "
„ 704	3" „ „ R.H. „	24"	1 $\frac{1}{2}$ "	5 $\frac{1}{2}$ "	4"	1 $\frac{7}{8}$ "	3"	4 $\frac{3}{8}$ "	3 $\frac{1}{2}$ "	20 $\frac{1}{2}$ "	3 $\frac{1}{2}$ "	4 $\frac{1}{2}$ "	3 $\frac{1}{2}$ "
„ 705	3" „ „ L.H. „	24"	1 $\frac{1}{2}$ "	5 $\frac{1}{2}$ "	4"	1 $\frac{7}{8}$ "	3"	4 $\frac{3}{8}$ "	3 $\frac{1}{2}$ "	20 $\frac{1}{2}$ "	3 $\frac{1}{2}$ "	4 $\frac{1}{2}$ "	3 $\frac{1}{2}$ "
„ 706	4" Channel, "Y" junction	21"	1 $\frac{1}{2}$ "	6 $\frac{1}{2}$ "	5"	2 $\frac{3}{8}$ "	3 $\frac{1}{4}$ "	4 $\frac{7}{8}$ "	4"	9"	3 $\frac{1}{2}$ "	—	—
„ 707	3" „ „ „	22 $\frac{1}{2}$ "	1 $\frac{1}{2}$ "	5 $\frac{1}{2}$ "	4"	1 $\frac{7}{8}$ "	3"	4 $\frac{3}{8}$ "	3 $\frac{1}{2}$ "	8 $\frac{1}{2}$ "	3 $\frac{1}{2}$ "	—	—
„ 708	4" Full Pipe, junction	18"	1 $\frac{1}{2}$ "	6 $\frac{1}{2}$ "	5"	4"	3 $\frac{1}{4}$ "	—	—	12"	6"	5"	—
„ 709	3" „ „ „	18"	1 $\frac{1}{2}$ "	5 $\frac{1}{2}$ "	4"	3"	3"	—	—	12"	6"	4 $\frac{1}{2}$ "	—
„ 710	4" Full Pipe, inclined junc.	24"	1 $\frac{1}{2}$ "	6 $\frac{1}{2}$ "	5"	4"	3 $\frac{1}{4}$ "	—	—	10 $\frac{1}{2}$ "	13 $\frac{1}{2}$ "	81°	13"
„ 711	3" „ „ „	24"	1 $\frac{1}{2}$ "	5 $\frac{1}{2}$ "	4"	3"	3"	—	—	10 $\frac{1}{2}$ "	13 $\frac{1}{2}$ "	81°	13"
„ 712	4" Full Pipe for 9" wall	16"	1 $\frac{1}{2}$ "	6 $\frac{1}{2}$ "	5"	4"	3 $\frac{1}{4}$ "	—	7"	5"	—	—	—
„ 713	4" „ „ 13 $\frac{1}{2}$ " „	20"	1 $\frac{1}{2}$ "	6 $\frac{1}{2}$ "	5"	4"	3 $\frac{1}{4}$ "	—	7"	5"	—	—	—
„ 714	4" „ „ 18" „	24"	1 $\frac{1}{2}$ "	6 $\frac{1}{2}$ "	5"	4"	3 $\frac{1}{4}$ "	—	7"	5"	—	—	—
„ 715	3" „ „ 9" „	16"	1 $\frac{1}{2}$ "	5 $\frac{1}{2}$ "	4"	3"	3"	—	7"	5"	—	—	—
„ 716	3" „ „ 13 $\frac{1}{2}$ " „	20"	1 $\frac{1}{2}$ "	5 $\frac{1}{2}$ "	4"	3"	3"	—	7"	5"	—	—	—
„ 717	3" „ „ 18" „	24"	1 $\frac{1}{2}$ "	5 $\frac{1}{2}$ "	4"	3"	3"	—	7"	5"	—	—	—
„ 718	4" Full Pipe, full bend	8 $\frac{1}{2}$ "	1 $\frac{1}{2}$ "	6 $\frac{1}{2}$ "	5"	4"	3 $\frac{1}{4}$ "	—	—	12"	90°	5"	—
„ 718a	4" „ „ „	4"	1 $\frac{1}{2}$ "	6 $\frac{1}{2}$ "	5"	4"	3 $\frac{1}{4}$ "	—	—	7"	90°	3 $\frac{1}{4}$ "	—
„ 719	3" „ „ „	13 $\frac{1}{2}$ "	1 $\frac{1}{2}$ "	5 $\frac{1}{2}$ "	4"	3"	3"	—	—	14 $\frac{7}{8}$ "	90°	13"	—
„ 719a	3" „ „ „	7 $\frac{1}{2}$ "	1 $\frac{1}{2}$ "	5 $\frac{1}{2}$ "	4"	3"	3"	—	—	12 $\frac{3}{4}$ "	90°	7"	—
„ 719b	3" „ „ „	4 $\frac{1}{2}$ "	1 $\frac{1}{2}$ "	5 $\frac{1}{2}$ "	4"	3"	3"	—	—	6 $\frac{3}{4}$ "	90°	3 $\frac{3}{4}$ "	—
„ 720	4" Full Pipe, easy bend	9"	1 $\frac{1}{2}$ "	6 $\frac{1}{2}$ "	5"	4"	3 $\frac{1}{4}$ "	—	—	4 $\frac{1}{2}$ "	60°	10 $\frac{1}{2}$ "	—
„ 721	3" „ „ „	8 $\frac{3}{4}$ "	1 $\frac{1}{2}$ "	5 $\frac{1}{2}$ "	4"	3"	3"	—	—	4"	60°	10 $\frac{1}{2}$ "	—
X1	4" Full Pipe, 2—2" inlets	18"	1 $\frac{1}{2}$ "	6 $\frac{1}{2}$ "	5"	4"	3 $\frac{1}{4}$ "	—	15"	12"	120°	4 $\frac{1}{4}$ "	—
X2	4" „ „ 1—2" inlet R.H.	18"	1 $\frac{1}{2}$ "	6 $\frac{1}{2}$ "	5"	4"	3 $\frac{1}{4}$ "	—	—	12"	6"	4 $\frac{1}{4}$ "	6"
X3	4" „ „ „ L.H.	18"	1 $\frac{1}{2}$ "	6 $\frac{1}{2}$ "	5"	4"	3 $\frac{1}{4}$ "	—	—	12"	6"	4 $\frac{1}{4}$ "	6"
X4	4" Full Pipe, 6" offset	24"	1 $\frac{1}{2}$ "	6 $\frac{1}{2}$ "	5"	4"	3 $\frac{1}{4}$ "	—	6"	—	—	—	—

Glazed Channels and Pipes of Special Designs

FOR LABORATORIES.

These channels or pipes have been designed for carrying off waste from sinks, etc. They can be conveniently used for carrying waste under floor from sinks in Laboratory Benches, or as waste channels for distillation work under bench top. Where strong acids or mercury are liable to get into waste pipes these channels, upon which neither has any action, are much to be preferred to lead pipes. Channels are designed with top edges slightly turned in to prevent splashing or overflow.

All Pipes are White Glazed inside, Cane outside.

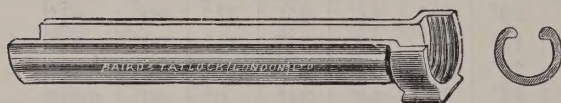


LF680-LF681

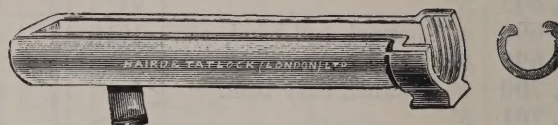


LF682-LF683

LF680	White Glazed Fireclay Pipe, 24 in. long × 4 in. inside diameter	....	....	each	c £0 9 6
LF681	White Glazed Fireclay Pipe, 24 in. long × 3 in. inside diameter	....	....	..	c £0 9 6
LF682	White Glazed Fireclay Channel, $\frac{3}{4}$ -section, 24 in. long × 4 in. diameter inside	....	....	..	c £0 8 0
LF683	White Glazed Fireclay Channel, $\frac{3}{4}$ -section, 24 in. long × 3 in. diameter inside	....	....	..	c £0 8 0

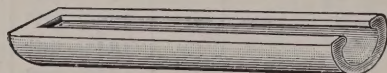


LF684-LF687



LF688-LF689

LF684	White Glazed Fireclay Channels, open at top, $\frac{3}{4}$ -section of complete pipe, top edge slightly turned inside to prevent splashing, size 24 × 4 in. inside	....	....	each	b £0 9 0
LF685	White Glazed Fireclay Channels, as above, but size 12 × 4 in.	....	....	..	b £0 6 6
LF686	White Glazed Fireclay Channels, as above, but 24 × 3 in. inside	....	....	..	b £0 8 6
LF687	White Glazed Fireclay Channels, as above, but 12 × 3 in.	....	....	..	b £0 6 0
LF688	White Glazed Channels, as above, but with stop end and spigot outlet, size 24 × 4 in. inside	....	....	each	c £0 18 6
LF689	White Glazed Channels, as above, but 24 × 3 in.	....	....	..	c £0 18 6
LF690	White Glazed Channels, as Fig. LF688, but without spigot outlet, size 24 × 4 in. inside	....	....	each	c £0 16 6
LF691	White Glazed Channels, as Fig. LF688, but without spigot outlet, 24 × 3 in.	....	....	..	c £0 16 6

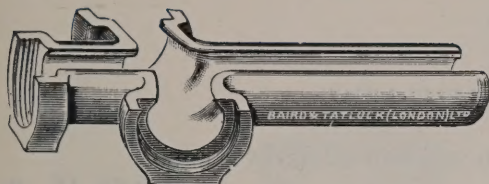


LF692-LF693

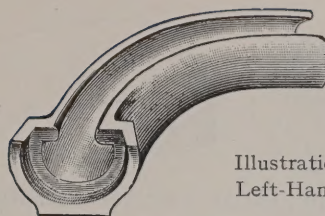


LF694-LF695

LF692	White Glazed Channels, without spigot or faucet, 24 × 4 in. long	....	....	each	c £0 13 6
LF693	White Glazed Channels, without spigot or faucet, 24 × 3 in. long	....	....	..	c £0 13 6
LF694	White Glazed Channels, with spigot outlet in centre, 24 × 4 in.	....	....	..	b £0 14 0
LF695	White Glazed Channels, with spigot outlet in centre, 24 × 3 in.	....	....	..	b £0 14 0

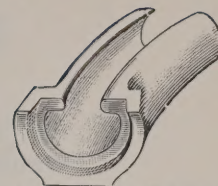


LF696-697



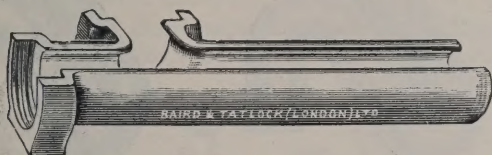
LF698-LF699

Illustrations show
Left-Handed Bends



LF700-LF701

LF696	White Glazed Channels, with junctions for three pipes, 24 × 4 in.	...	each	b	£0 19 0
LF697	White Glazed Channels, with junctions for three pipes, 24 × 3 in.	...	„	b	£0 19 0
LF698	White Glazed Channel Bends, right-angle, 4 in.	...	„	b	£0 14 6
LF699	White Glazed Channel Bends, right-angle, 3 in.	...	„	b	£0 14 6
LF700	White Glazed Channel Bends, bend 45°, 4 in.	...	„	b	£0 14 6
LF701	White Glazed Channel Bends, bend 45°, 3 in.	...	„	b	£0 14 6

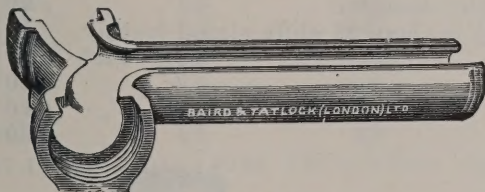


LF702 (Right Handed)

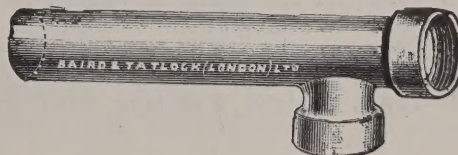


LF705 (Left Handed)

LF702	White Glazed Channels, with right hand junction for two pipes, 24 × 4 in.	each	b	£0 13 0
LF703	White Glazed Channels, as above with left hand junction	„	b	£0 13 0
LF704	White Glazed Channels, with right hand junction as above, but 24 × 3 in.	„	b	£0 13 0
LF705	White Glazed Channels, as above, with left hand junction	„	b	£0 13 0

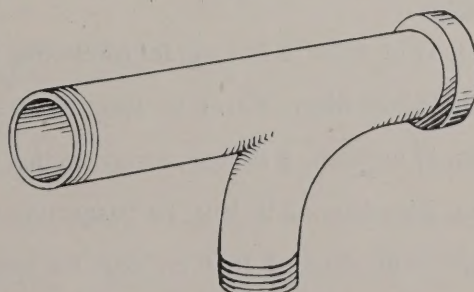


LF706-LF707



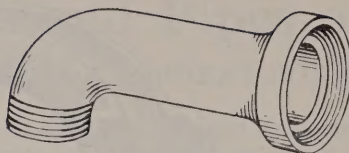
LF708-LF709

LF706	White Glazed Channels, with junctions for two pipes, 24 × 4 in.	each	b	£0 19 0
LF707	White Glazed Channels, with junctions for two pipes, 24 × 3 in.	„	b	£0 19 0
LF708	White Glazed Fireclay Pipes, with junction end, size 18 × 4 in. inside	„	c	£0 12 0
LF709	White Glazed Fireclay Pipes, with junction end, size 18 × 3 in. inside	„	c	£0 12 0



LF710-LF711

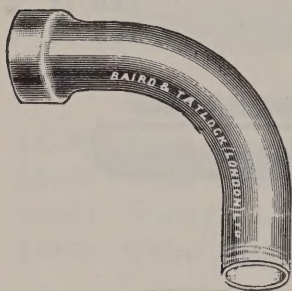
LF710	White Glazed Fireclay Pipes, with inclined junction, size 18 × 4 in.	each	b	£1 2 0
LF711	White Glazed Fireclay Pipes, with inclined junction, size 18 × 3 in.	„	b	£1 2 0



LF712-LF717

White Glazed Pipe, outlet bend, for discharging through wall into gulleys or heads.

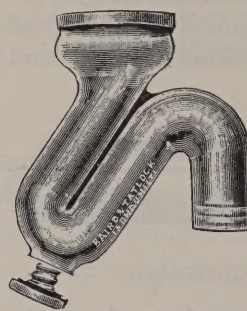
LF712	Size for 4 in. diameter for 9 in. wall	....	....	....	....	....	....	....	b £0 15 0
LF713	" 4 " " 13 1/2 "	....	....	....	....	....	....	....	b £0 16 0
LF714	" 4 " " 18 7/8 "	....	....	....	....	....	....	....	b £0 17 0
LF715	" 3 " " 9 "	....	....	....	....	....	....	....	b £0 15 0
LF716	" 3 " " 13 1/2 "	....	....	....	....	....	....	....	b £0 16 0
LF717	" 3 " " 18 "	....	....	....	....	....	....	....	b £0 17 0



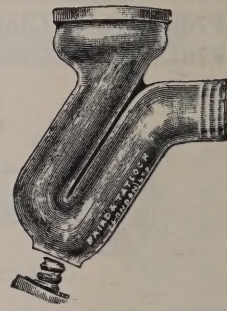
LF718-LF719



LF720-LF721



LF722-LF723

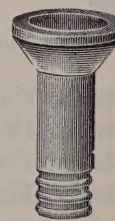


LF724-LF725

LF718	White Glazed Pipe, bent at right-angles, 4 in. inside diameter	....	....	each	c £0 10 0
LF719	White Glazed Pipe, bent at right-angles, 3 in. inside diameter	....	....	"	c £0 10 0
LF720	White Glazed Pipe, slow bend at half right-angle, 4 in. diameter	....	....	"	c £0 10 0
LF721	White Glazed Pipe, slow bend at half right-angle, 3 in. diameter	....	....	"	c £0 10 0
LF722	S Trap, for connecting to waste pipe under sinks, 1 1/2 in. bore of white glazed fireclay, with screw plug at end for cleaning	....	....	each	b £0 15 0
LF723	S Trap, as above, 2 in. bore, ditto, ditto	....	....	"	b £0 15 6
LF724	P Trap, as above, 1 1/2 in. bore, ditto, ditto	....	....	"	b £0 15 0
LF725	P Trap, as above, 2 in. bore, ditto, ditto	....	....	"	b £0 15 6



LF726-LF731

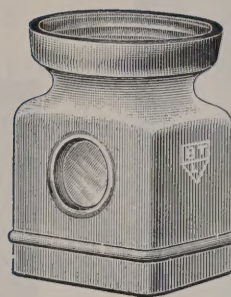


LF732

LF726	White Glazed Pipe, straight, 1 1/2 in. diam., 2 ft. long, for connecting from sink to channels	each	c £0 10 6
LF727	White Glazed Pipe, straight, 1 1/2 in. diam., 2 ft. 6 in. long, for connecting from sink to channels	each	c £0 12 6
LF728	White Glazed Pipe, straight, 1 1/2 in. diam., 3 ft. long, for connecting from sink to channels	each	c £0 16 0
LF729	White Glazed Pipe, straight, 2 in. diam., 2 ft. long, for connecting from sink to channels	each	c £0 11 0
LF730	White Glazed Pipe, straight, 2 in. diam., 2 ft. 6 in. long, for connecting from sink to channels	each	c £0 14 6
LF731	White Glazed Pipe, straight, 2 in. diam., 3 ft. long, for connecting from sink to channels	each	c £0 15 0
LF732	Earthenware Drip Sockets, white glazed inside, cane glazed outside, suitable for Fume Cupboards, etc.	Bore	1 in. 1 1/2 in.
		Price	c 5/6 c 5/6 each.

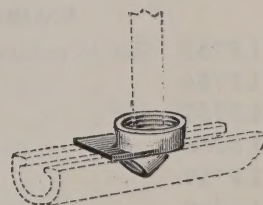
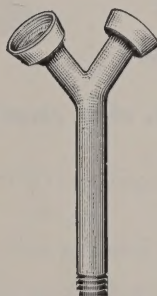
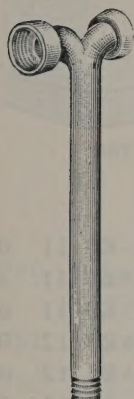


LF735



LF736

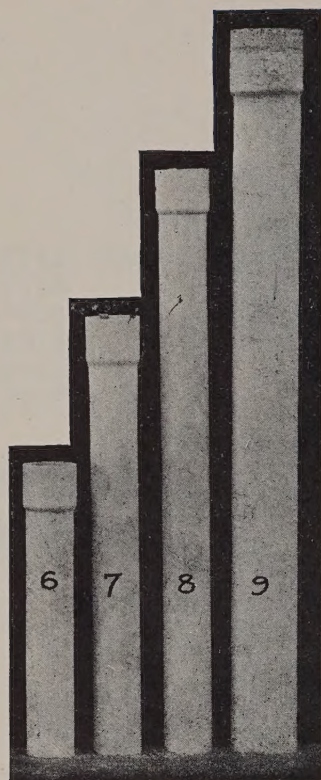
- LF733** Earthenware Waste Pipe, with plain collar for connecting to another pipe, straight, $1\frac{1}{2}$ " diam., 1 ft., 1 ft. 6 ins. or 2 ft. long each c £0 10 6
- LF735** Fume Cupboard Exhaust Pipe Socket, to take 4 in. earthenware flue pipe, cane glazed inside and out each c £0 10 6
- LF736** Fume Cupboard Earthenware Inspection Exhaust Box, with glass or mica window to take 4 in. earthenware pipe, cane glazed inside and out each b £1 0 0



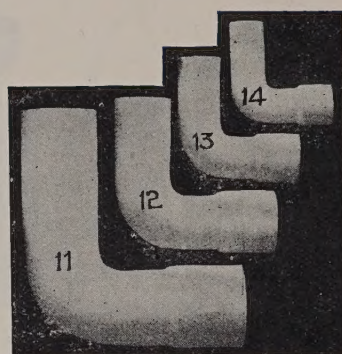
LF737-LF740 LF741-LF742 LF743-LF744 LF745-LF746 LF747-LF748 LF749-LF750

LF751

- LF737** Earthenware Waste Pipes, junction, white glazed inside, cane glazed outside, 2 ft. long overall, $1\frac{1}{2}$ in. internal diameter each c £0 18 6
- LF738** Earthenware Waste Pipes, ditto, ditto, 2 in. internal diameter " c £0 18 6
- LF739** Earthenware Waste Pipes, ditto, ditto, $1\frac{1}{2}$ in. internal diameter, 18 in. long " c £0 18 6
- LF740** Earthenware Waste Pipes, ditto, ditto, 2 in. internal diameter, 18 in. long.... " c £0 18 6
- LF741** Earthenware Waste Pipes, junction, with branch at slope of 45° , white glazed inside, cane glazed outside, 2 ft. over-all length, $1\frac{1}{2}$ in. diameter inside each c £0 12 6
- LF742** Earthenware Waste Pipes, ditto, ditto, 2 in. diameter inside " c £0 12 6
- LF743** Earthenware Waste Pipes, junction, with branch at right angles, white glazed inside, cane glazed outside, 2 ft. over-all length, $1\frac{1}{2}$ in. diameter inside each c £0 12 6
- LF744** Earthenware Waste Pipes, ditto, ditto, 2 in. diameter inside " c £0 12 6
- LF745** Earthenware Waste Pipes, Y junction, forming angle 90° , white glazed inside and cane glazed outside, $1\frac{1}{2}$ in. internal diameter, 18 in. long each c £0 18 6
- LF746** Earthenware Waste Pipes, ditto, ditto, 2 in. internal diameter, ditto " c £0 18 0
- LF747** Earthenware Waste Pipes, right-angle bends, $1\frac{1}{2}$ in. diameter inside " c £0 11 0
- LF748** Earthenware Waste Pipes, right-angle bends, 2 in. diameter inside " c £0 11 0
- LF749** Earthenware Waste Pipes, slow bends, 45° , $1\frac{1}{2}$ in. diameter inside " c £0 11 0
- LF750** Earthenware Waste Pipes, slow bends, 45° , 2 in. diameter inside " c £0 11 0
- LF751** Earthenware Shoe, to fit at bottom of waste pipes where they discharge into channels to prevent splash b £0 7 6



LF761



LF762



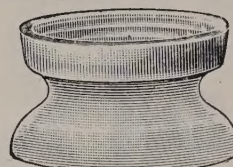
LF763



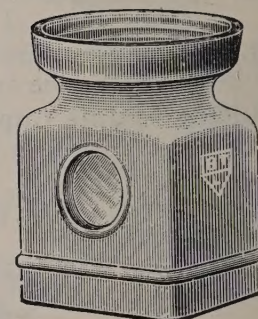
LF764



LF755-LF760



LF765



LF766

Earthenware Reducing Connectors, white glazed inside, cane glazed outside.

LF755	Size to reduce 2 in. pipe to 1½ in. pipe	....	....	....	....	....	....	b £0 11 0
LF756	" " 3 " " 1½ "	....	....	....	....	....	....	b £0 11 3
LF757	" " 4 " " 1½ "	....	....	....	....	....	....	b £0 11 6
LF758	" " 3 " " 2 "	....	....	....	....	....	....	b £0 12 0
LF759	" " 4 " " 2 "	....	....	....	....	....	....	b £0 12 0
LF760	" " 4 " " 3 "	....	....	....	....	....	....	b £0 13 0

Hard Asbestos Compound Pipes, etc.

Suitable for Fume Cupboards, Fume Hood, etc. ; these pipes are easily cut with a fine saw.

LF761	Straight Pipes, with socket in lengths of 2 ft. to 6 ft.						
	Diameter	....	2	3	4	5	6 in.
	Price	....	c 1/-	c 1/6	c 2/-	c 3/-	c 3/6 per ft. run.
LF762	Right Angle Bends, with socket.						
	Diameter	....	2	3	4	5	6 in.
	Price	....	c 2/-	c 3/-	c 4/-	c 4/6	c 5/6 each
LF763	Obtuse Bends, with socket, (a) 100°, (b) 110°, (c) 120°, or (d) 135°.						
	Diameter	....	2	3	4	5	6 in.
	Price	....	c 2/-	c 3/-	c 4/-	c 4/6	c 5/6 each
LF764	Cowl, cone-shaped, to suit above flue.						
	For pipes, diameter	....	3	4	5	6 in.	
	Price	....	c 4/-	c 4/6	c 5/6	c 6/6	each.
LF765	Fume Cupboard Exhaust Pipe Socket.						
	For pipes, diameter	....	....	4	5	6 in.	
	Price	....	....	c 12/6	c 15/-	c 19/-	each.
LF766	Fume Cupboard Inspection Exhaust Box and Socket.						
	For pipes, diameter	....	....	4	5	6 in.	
	Price	....	....	c 17/-	c 19/-	c 25/-	each.

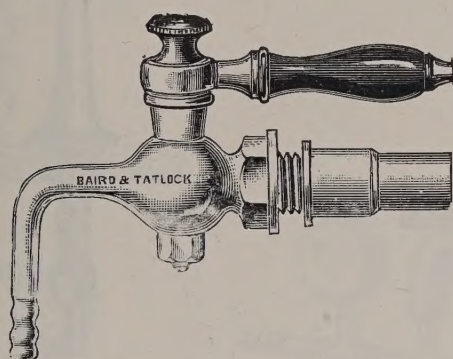
B.T.L. Water Taps.

SPECIALLY DESIGNED BY US FOR USE IN LABORATORIES.

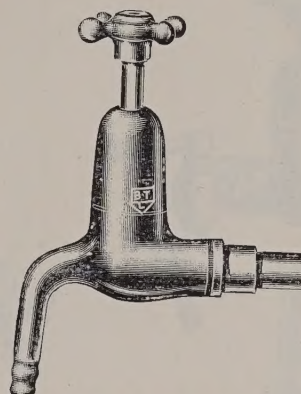
The B.T.L. Taps have been re-designed to include all the modern improvements such as "easy-clean" fitting, acid resistant finish, etc. The shape of the tap is designed with the object of minimizing the work entailed in cleaning the Laboratory, and all ridges and corners have been eliminated.

All taps are finished "Steel Bronze" Colour unless otherwise ordered. Chromium Plated Taps can also be supplied to order.

All the B.T.L. Taps are of Registered Design and are covered by Registration Nos. 734236, 767199 to 767201, and 767203 to 767209.



LF780



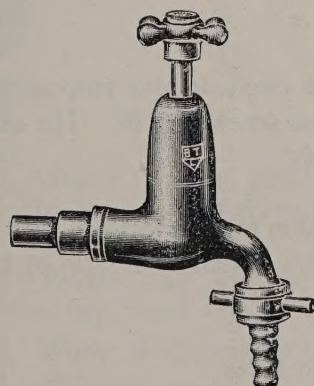
LF782 (Regd. Design)

LF780 Water Taps of gun-metal, $\frac{1}{4}$ in. bore, with lever handle, boss screwed $\frac{3}{8}$ in. with connection for $\frac{3}{8}$ in. lead b £0 9 6

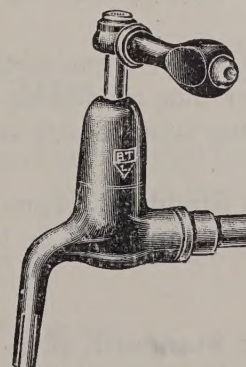
LF781 Water Taps, as above, but $\frac{3}{8}$ in. bore, boss screwed $\frac{1}{2}$ in. with connection for $\frac{1}{2}$ in. lead b £0 12 6

LF782 B.T.L. Water Taps of gun-metal with screw-down valve, corrugated nozzle, easy-clean, screwed boss and connection for lead

Bore	....	....	$\frac{1}{4}$ in.	$\frac{3}{8}$ in.	$\frac{1}{2}$ in.	$\frac{3}{4}$ in.
Boss Screwed	....	....	$\frac{3}{8}$ in.	$\frac{1}{2}$ in.	$\frac{1}{2}$ in.	$\frac{3}{4}$ in.
Each	....	....	b 6/6	b 7/-	b 8/-	b 13/-



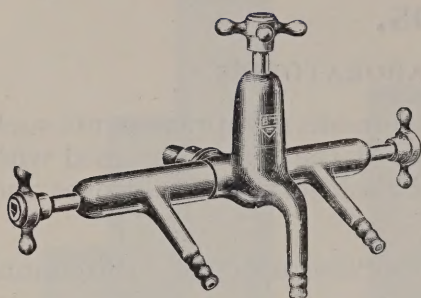
LF783 (Regd. Design)



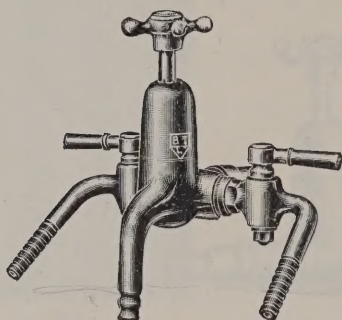
LF784 (Regd. Design)

LF783 B.T.L. Water Taps as above, $\frac{3}{8}$ in. bore but with screwed union to nozzle, corrugated for tubing, boss screwed $\frac{3}{8}$ in. with connection for lead b £0 9 0

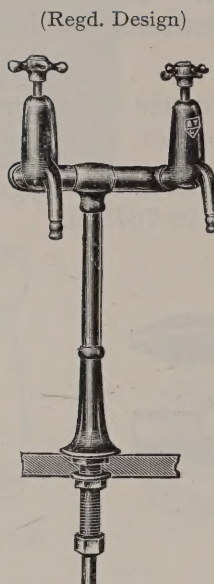
LF784 B.T.L. Water Taps of gun-metal with lever handle, easy-clean, Bottle Filling Nozzle, quick action, one half turn to allow flow or cut off, $\frac{3}{8}$ in. bore, boss screwed $\frac{3}{8}$ in. b £0 11 6



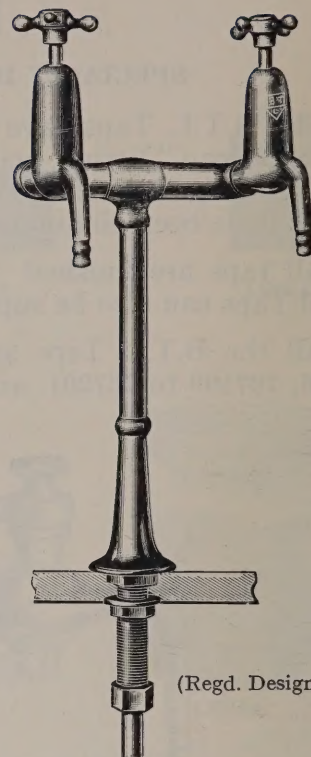
LF785
(Regd. Design)



LF787
(Regd. Design)



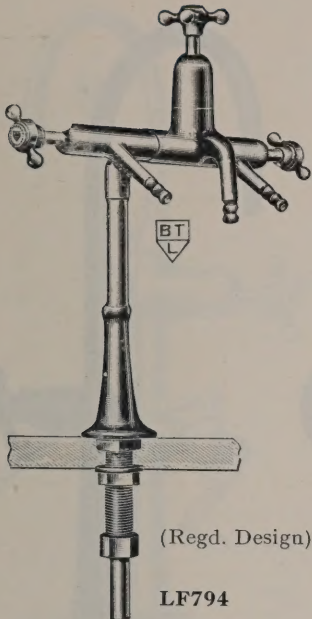
LF790



(Regd. Design)

LF793

- LF785 B.T.L. Water Taps**, all of gun-metal, centre tap $\frac{3}{8}$ in. bore, with two small screw-down side lead taps, LF809 for high-pressure water, corrugated at nozzle for india-rubber tube connection to condensers, etc., all taps easy-clean, with boss screwed $\frac{3}{8}$ in. thread for connection to supply each *b* £1 0 0
- LF786 B.T.L. Water Taps**, of gun-metal (Fig. LF785), $\frac{3}{8}$ in. bore with one screw-down stopcock at right or left hand, for india-rubber tube connection to condensers, etc., all taps easy-clean, with boss screwed $\frac{3}{8}$ in. each *b* £0 14 6
- LF787 B.T.L. Water Taps**, of gun-metal, $\frac{3}{8}$ in. bore, easy-clean, with two side plug stopcocks for india-rubber tube connection to condensers, etc., with boss screwed $\frac{3}{8}$ in. The above side lead plug taps are only suitable for low pressure supply each *b* £1 0 0
- LF790 B.T.L. Water Standard**, of gun-metal, with back nut and union for connection, with two small screw-down taps, $\frac{1}{4}$ in. bore, easy-clean. Height from bench to nozzle of taps, 8 in. each *b* £1 12 0
- LF791 B.T.L. Water Standard**, all as above but height from bench 10 in. each *b* £1 14 0
- LF792 B.T.L. Water Tap**, gun-metal, similar to above but with two screw-down taps, No. LF782, $\frac{3}{8}$ in. bore, mounted on standard with back nut and union for fitting to bench, height from bench to nozzle, 10 in. each *b* £1 15 0
- LF793 B.T.L. Water Standard**, all as above, but height from bench 12 in. each *b* £1 17 6

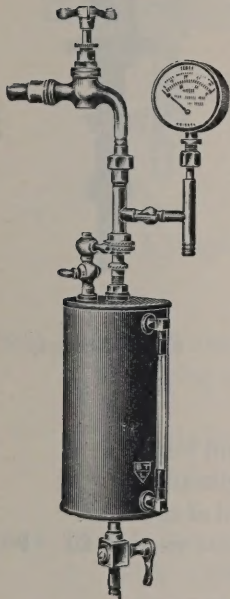


LF794 B.T.L. Water Standard, with three-way gun-metal water tap, the two side leads are suitable for supply to condensers, etc., all easy-clean. Tail piece fitted with back nut and union.

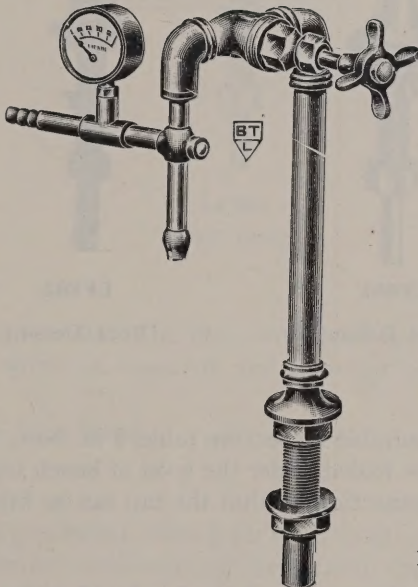
	A	B	C
Bore of centre tap	$\frac{3}{8}$ in.	$\frac{3}{8}$ in.	$\frac{3}{8}$ in.
Height from bench	9 in.	12 in.	15 in.
Price	... c £1 12 0	c £1 15 0	c £1 17 0

(Regd. Design)

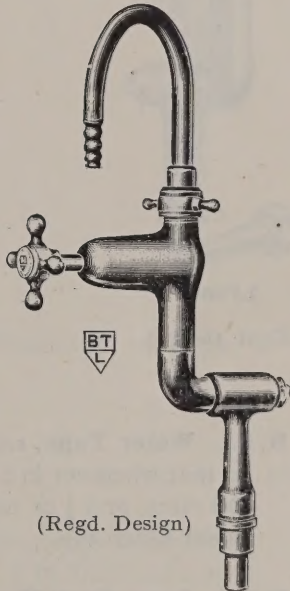
LF794



LF795



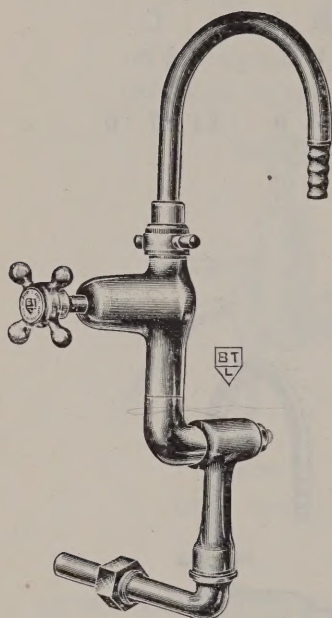
LF796



(Regd. Design)

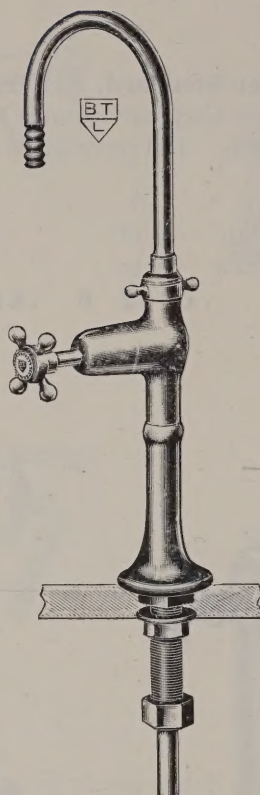
LF798

- LF795 B.T.L. Water Tap**, as LF782, $\frac{3}{8}$ in., and metal filter pump and blower combined, as devised by Dr. Martin, Lister Institute of Preventive Medicine. (a) With Gauge ... each c £5 14 0
(b) Without Gauge ,, c £4 4 0
- LF796 B.T.L. Water Tap**, gun-metal, fitted with screw-down valve suitable for high-pressure water, tap fitted with metal filter pump and gauge c £4 17 6
- LF797 B.T.L. Water Tap**, with filter pump as above, but without gauge c £3 16 0
- LF798 B.T.L. Water Taps**, of gun-metal, easy-clean $\frac{3}{8}$ in. bore, suitable for use on lecture table, with ground joint so arranged that when not in use it can be folded under the level of bench top, fitted with $\frac{3}{8}$ in. boss for connection, height from joint to nozzle of tap, $5\frac{1}{4}$ in. each b £0 19 6
- LF799 B.T.L. Water Taps**, of gun-metal, easy-clean, suitable for use on lecture table, as above, but with circular wheel handle and $\frac{3}{8}$ in. boss for connection each b £1 1 0
- LF799A Water Taps**, similar to LF789 and LF799 but nickel-plated extra b £0 4 0



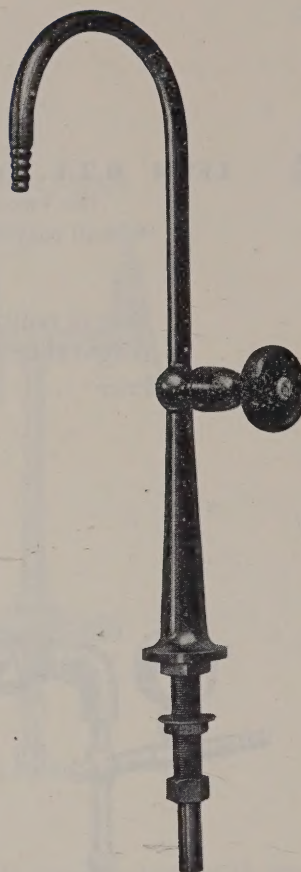
LF800

(Regd. Design)



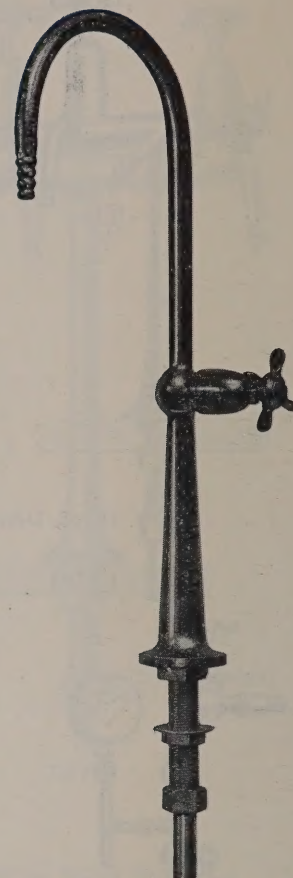
LF801

(Regd. Design)



LF802

(Regd. Design)



LF802a

(Regd. Design)

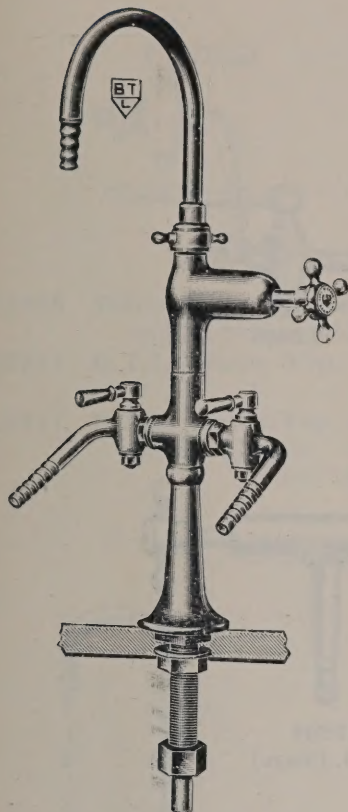
LF800 B.T.L. Water Taps, easy-clean, suitable for lecture table, $\frac{3}{8}$ in. bore, with ground joint, so that when not in use it can be folded under the level of bench top, with right-angle tail piece, and $\frac{1}{2}$ in. union for connection, so that the tap can be fitted over end of sink under bench top each **c £1 1 0**

LF801 B.T.L. Swan Neck Water Taps, the swan neck bend is fitted with a coupling screw so that tap can be used either right or left hand. Tail piece fitted with $\frac{1}{2}$ in. back nut and union, overhang $4\frac{1}{2}$ in.

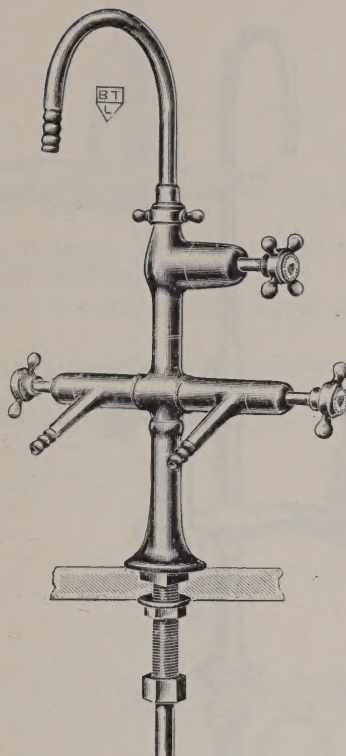
		A	B	C	D
Height of nozzle from bench	....	8 in.	10 in.	12 in.	15 in.
Price each	....	c £0 18 6	c £1 1 0	c £1 3 6	b £1 6 0

LF802 B.T.L. Water Tap, with fixed swan neck bend, easy clean. Height from bend top to nozzle, 12" with $\frac{1}{2}$ " back nut and union **b £2 0 0**

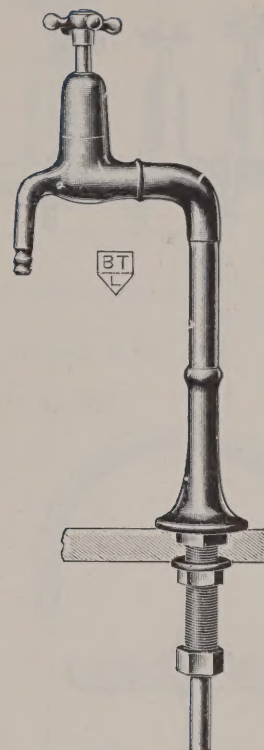
LF802a B.T.L. Water Tap as above, but with capstan handle **b £2 0 0**



LF803
(Regd. Design)



LF804
(Regd. Design)



LF805
(Regd. Design)

LF803 B.T.L. Water Tap, of gun-metal, $\frac{3}{8}$ in. bore, with bend fixed by coupling screw, with two side plug stopcocks, with $\frac{1}{2}$ in. back nut and union for connection.

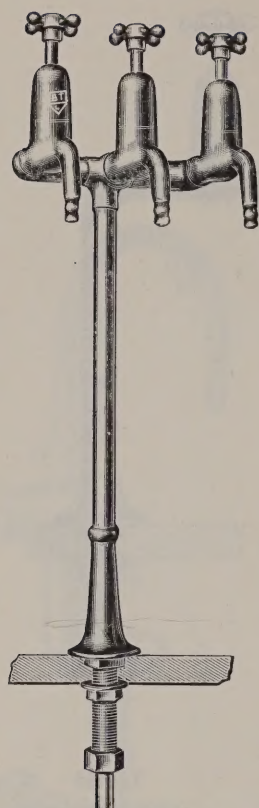
	A	B	C
Height of nozzle from bench	10 in.	11½ in.	13 in.
Price each	£1 12 0	£1 13 6	£1 15 0

LF804 B.T.L. Water Taps of gun-metal, with $\frac{3}{8}$ in. bore, swan neck, and two screw-down side leads, LF809 suitable for condensers, all easy-clean, tail piece for $\frac{1}{2}$ in. back nut and union.

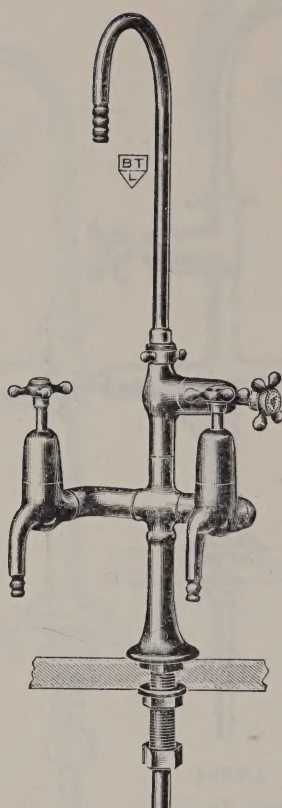
	A	B	C
Bore of swan neck tap	$\frac{3}{8}$ in.	$\frac{3}{8}$ in.	$\frac{3}{8}$ in.
Height of nozzle	10 in.	11½ in.	13 in.
Price each	£1 17 0	£1 18 0	£1 19 0

LF805 B.T.L. Water Taps, gun-metal with easy-clean screw-down valve and corrugated nozzle, tail piece fitted with $\frac{1}{2}$ in. back nut and union.

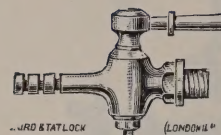
	A	B	C	D
Bore of tap	$\frac{3}{8}$ in.	$\frac{3}{8}$ in.	$\frac{3}{8}$ in.	$\frac{1}{2}$ in.
Height of nozzle from bench	6 in.	9 in.	12 in.	12 in.
Price each	£0 19 0	£1 1 0	£1 2 0	£1 5 0



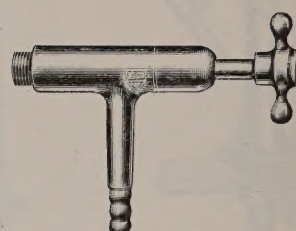
LF806
(Regd. Design)



LF807
(Regd. Design)



LF808



LF809
(Regd. Design)

LF806 B.T.L. Water Taps, of gun-metal, with three screw-down easy-clean taps, No. LF782, $\frac{3}{8}$ in. bore, mounted on gun-metal standard with $\frac{1}{2}$ in. back nut and union for fitting to bench, height from bench to nozzles, 13 in. each *b* £2 2 0

LF807 B.T.L. Water Taps, of gun-metal, $\frac{3}{8}$ in. bore, and two side taps with bent nozzles for high-pressure water, mounted on gun-metal standard with back nut and union, bend fixed by coupling screw

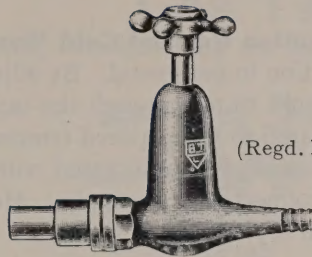
	A	B	C
Height of nozzle from bench	14 in.	16 in.	18 in.
Price each	<i>b</i> £2 6 0	<i>b</i> £2 8 0	<i>b</i> £2 10 0

LF808 Water Taps, plug stopcock, fitted with lever handles, screwed for connection to ordinary water pipe, $\frac{3}{8}$ in., and ends corrugated to fit I.R. tube, for use with condensers, etc. each *c* £0 4 6

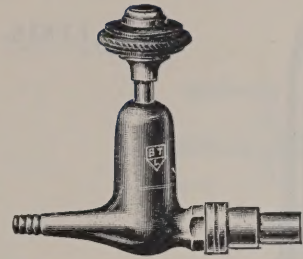
LF809 B.T.L. Water Taps, gun-metal, easy-clean, with screw-down valve for high-pressure water, corrugated nozzle to fit I.R. tube, screwed for $\frac{3}{8}$ in. iron pipe, suitable for filter pumps or condensers, specially designed to maintain a constant small stream of water
each *b* £0 6 0



LF810

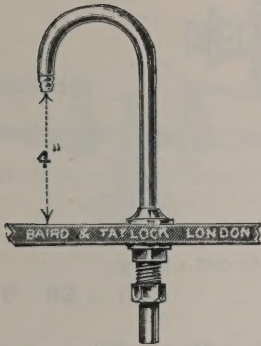


LF811

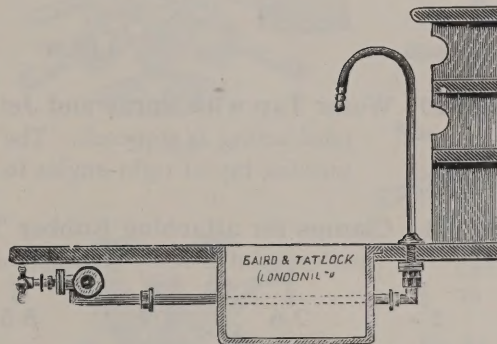


LF812

- LF810** Water Taps, gun-metal, plug stopcock, with lever handle, long nozzle with corrugated end for rubber tubing, tap screwed for $\frac{1}{4}$ in. iron pipe each *b* £0 6 0
- LF811** B.T.L. Water Tap, easy-clean, gun-metal, with screw-down valve, corrugated nozzle each *b* £0 8 0
- LF812** B.T.L. Water Tap, easy-clean, gun-metal, with screw-down valve for hot water, with ebonized handle each *b* £0 9 0
- (These taps can be supplied if desired with long spindle to handle.)



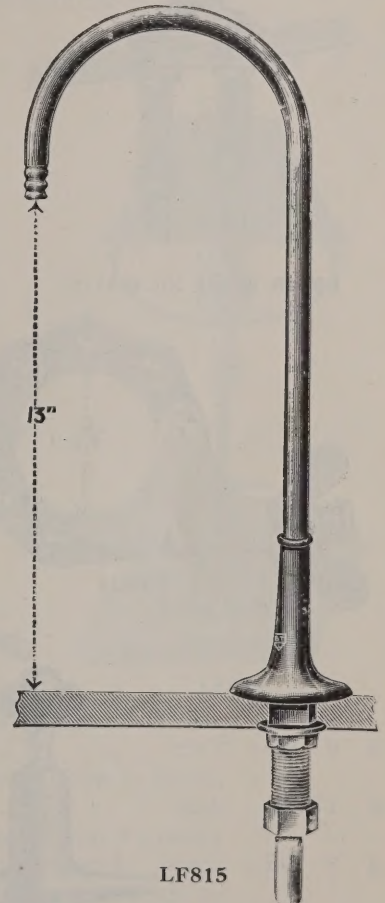
LF814



LF813-LF814

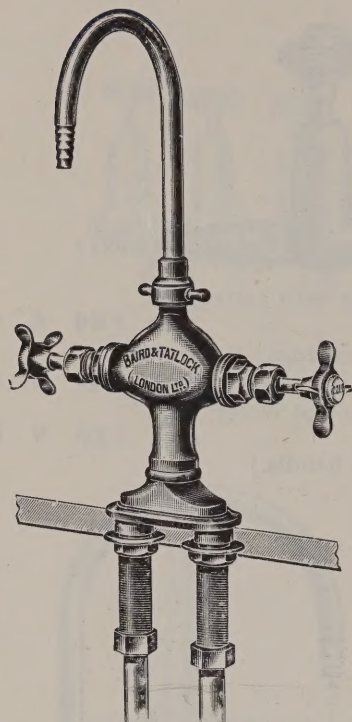


LF813



LF815

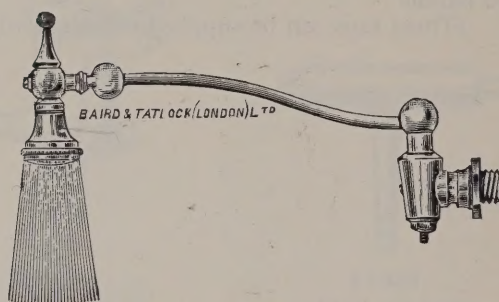
- LF813** B.T.L. Water Taps, easy-clean, of gun-metal, to control water supply from front of bench or fume cupboard, with gun-metal bend, back nut and union (see illustration for method of connection). Price, for use with bend (Fig. LF814) each *c* £0 7 6
- (These taps are screwed to suit $\frac{3}{8}$ in. iron water supply pipe ; bench top to outlet of nozzle, $6\frac{1}{2}$ in.)
- LF814** Water Bends, of gun-metal, $\frac{1}{4}$ in. bore, $\frac{3}{8}$ in. back nut and union for fitting in fume cupboards, etc., for use with taps (Fig. LF813) each *c* £0 7 0
- LF815** Water Bends, of gun-metal, with back nut and union, for use with control tap, No. LF813, height from nozzle of bend to top of bench, 13 in. each *b* £0 19 0



LF818 (Regd. No. 608172)

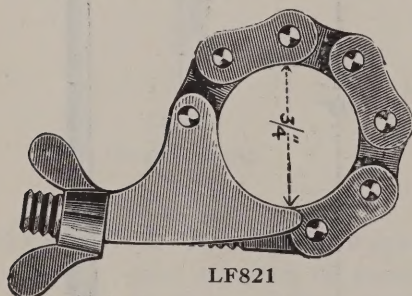
LF818 Combination Hot and Cold Water Tap, of solid construction in gun-metal. By adjusting the flow of hot and cold water through the taps the supply can be regulated to the required temperature. Both hot and cold ends of tap are fitted with back nut and union for connecting to supply. Height of nozzle from bench top, 10 in. each c £2 16 0

LF819 Combination Hot and Cold Water Tap as above, but with longer bend; height of nozzle to bench top, 13 in. each c £2 18 6



LF820

LF820 Water Tap with Spray and Jet, reversible ground joint acting as stopcock. The water is cut off by pushing tap at right-angles to inlet each c £0 9 6

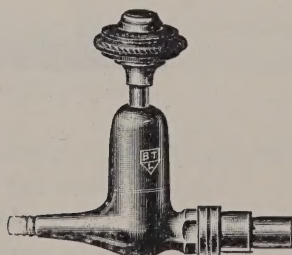


LF821

LF821 Clamps for attaching Rubber Tubing to Water Taps, etc. A perfect joint is easily obtained on either round or oval-nosed taps.

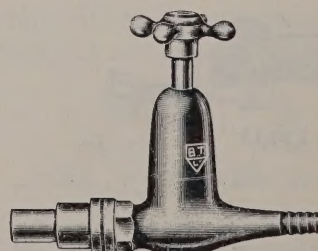
OR	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{2}$	$1\frac{1}{2}$	2 in. hose.
	2/-	2/6	3/9	5/3	6/9	9/6 each.

Steam Taps.



LF822

(Regd. Design)



LF823

LF822 Tap, gun-metal, with screw-down valve for steam, corrugated nozzle each b £0 8 6

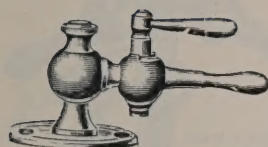
LF823 Tap, gun-metal, with screw-down valve for steam, with ebonized handle „ b £0 9 6

(These taps can be supplied if desired with long spindle to handle.)

All easy-clean taps listed can be dismantled without damage by wrapping in a cloth and gripping with pliers.

Gas Taps.

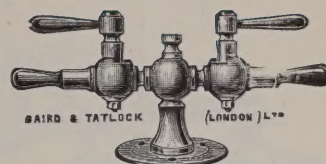
Specially Designed by us for use in Laboratories.



LF830

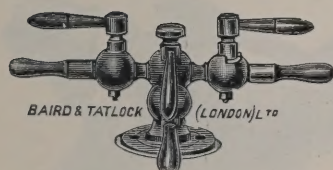


LF832

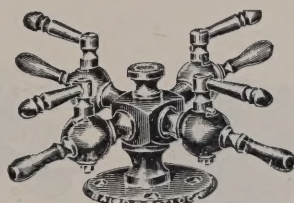


LF831

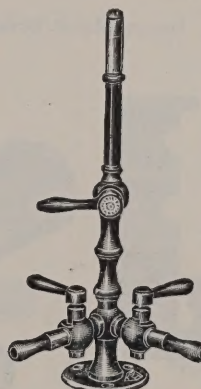
- | | | | | | |
|-------|--|------|------|---|---|
| LF830 | Gas Taps, single-way, brass black bronzed, with lever handle, base to screw to bench, inlet screwed for $\frac{1}{8}$ in. gas pipe | each | c £0 | 4 | 6 |
| LF831 | Gas Taps, as above, screwed for $\frac{1}{4}$ in. gas pipe | each | c £0 | 4 | 6 |
| LF832 | Gas Taps, double-way, brass black bronzed, with lever handles, with base to screw to bench, inlet screwed for $\frac{1}{8}$ in. gas pipe, taps set at 90° | each | c £0 | 6 | 6 |
| LF833 | Gas Taps, as above, screwed for $\frac{1}{4}$ in. gas pipe | each | c £0 | 6 | 6 |
| LF834 | Gas Taps, two-way, brass black bronzed, with lever handles, and base to screw to bench, inlet screwed for $\frac{1}{8}$ in. gas pipe, taps set at 180° | each | c £0 | 6 | 6 |
| LF835 | Gas Taps, as above, screwed for $\frac{1}{4}$ in. gas pipe | each | c £0 | 6 | 6 |



LF836



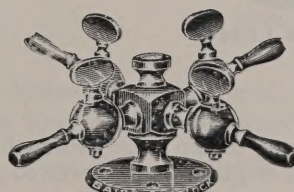
LF837



LF838



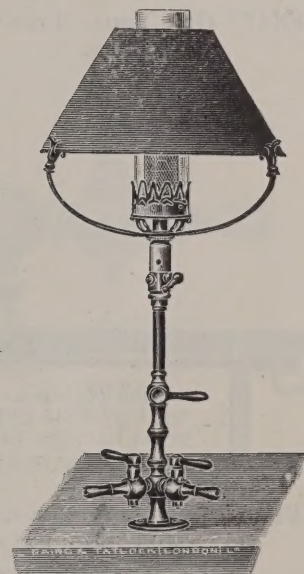
LF841



LF842

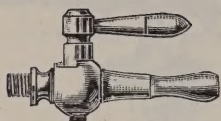


LF843

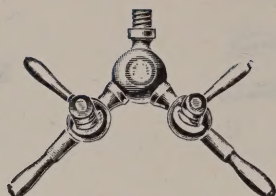


LF839

- | | | | | | |
|-------|--|------|------|----|---|
| LF836 | Gas Taps, three-way, brass black bronzed, with lever handles, with base to screw to bench, inlet screwed for $\frac{1}{4}$ in. gas pipe | each | b £0 | 9 | 0 |
| LF837 | Gas Taps, four-way, brass black bronzed, with lever handles, with base to screw to bench, inlet screwed for $\frac{1}{4}$ in. gas pipe | each | b £0 | 11 | 0 |
| LF838 | Gas Taps, similar to Fig. LF832, with gas flame jet in centre, with tap, suitable for either bending small glass tubes or as bench light, inlet screwed for $\frac{1}{4}$ in. iron barrel | each | b £0 | 9 | 6 |
| LF839 | Gas Taps, double-way, brass black bronzed, with lever handles, with base to screw to bench, inlet screwed for $\frac{1}{8}$ in. gas pipe, with incandescent fitting in centre, fitted with green shade. Price, with shade fitting, and mantle complete | each | c £0 | 18 | 0 |
| LF840 | Gas Taps, four-way, brass black bronzed, with incandescent fitting and shade as above | each | c £1 | 5 | 6 |
| LF841 | Gas Taps, double-way, brass black bronzed, key handle, with base to screw to bench, inlet screwed for $\frac{1}{8}$ in. gas pipe | each | c £0 | 5 | 9 |
| LF842 | Gas Taps, four-way, brass black bronzed, key handle, with base to screw to bench, inlet screwed for $\frac{1}{4}$ in. gas pipe | each | b £0 | 10 | 0 |
| LF843 | Gas Taps, double-way, brass black bronzed, key handle, to screw into $\frac{1}{4}$ in. gas pipe | each | c £0 | 5 | 6 |



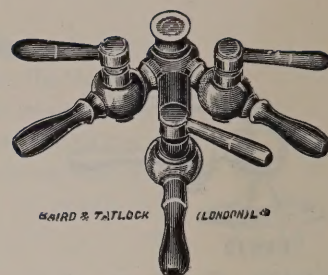
LF844



LF845



LF846



LF847

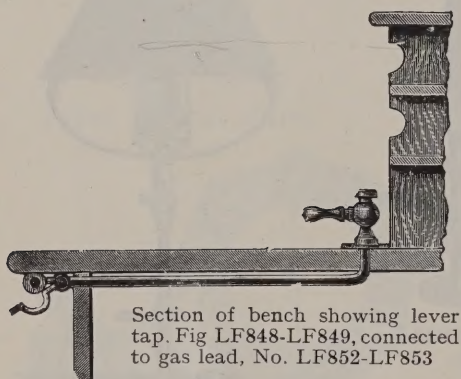
LF844 Gas Taps, single-way, brass black bronzed, $\frac{1}{4}$ in. bore with lever handles, to screw to gas pipe

Price		For $\frac{1}{8}$ in. b 3/-	$\frac{1}{4}$ in. b 3/3	$\frac{3}{8}$ in. gas barrel. b 3/6 each.
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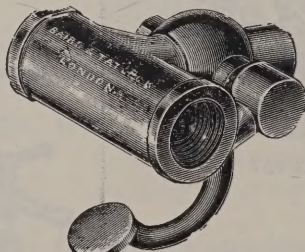
LF845 Gas Taps, double-way, brass black bronzed, lever handles, to screw into $\frac{1}{4}$ in. gas pipe each b £0 6 0

LF846 Gas Taps, two-way, brass black bronzed, with parallel nozzles for I.R. tubing, screwed for $\frac{1}{4}$ in. gas barrel each b £0 8 0

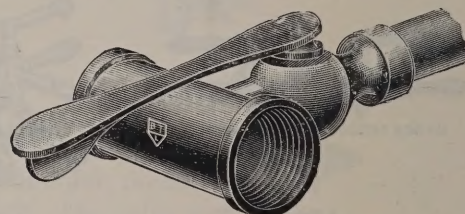
LF847 Gas Taps, three-way, brass black bronzed, with lever handles, to screw into $\frac{1}{4}$ in. iron gas pipe each b £0 8 6



Section of bench showing lever tap. Fig LF848-LF849, connected to gas lead, No. LF852-LF853



LF848-LF849



LF850-LF851



LF852-LF853

LF848 Gas Taps, gun-metal improved form, for fixing under ledge of bench or fume cupboard to control gas supply at whatever position required, ends screwed $\frac{1}{8}$ in. for branch.

Main screwed for	....	$\frac{1}{4}$ in.	$\frac{3}{8}$ in.	$\frac{1}{2}$ in. gas pipe.
Price	....	b 5/-	b 5/6	b 6/- each.

LF849 Gas Taps, as above, but screwed for $\frac{1}{4}$ in. branch.

Main screwed for	....	$\frac{3}{8}$ in.	$\frac{1}{2}$ in.	$\frac{3}{4}$ in. gas pipe.
Price	....	b 5/6	b 6/-	b 7/-

LF850 Gas Taps, gun-metal, for fixing under ledge of bench or fume cupboard, as LF848, but with sideways movement for use where cupboards or drawers prevent downward lever. Screwed for $\frac{1}{8}$ in. branch.

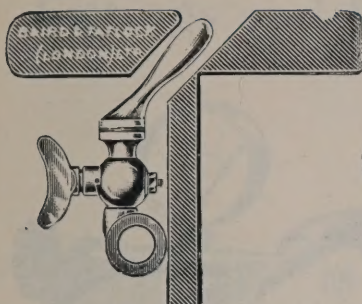
Main screwed for	....	$\frac{1}{4}$ in.	$\frac{3}{8}$ in.	$\frac{1}{2}$ in. gas pipe.
Price	....	b 5/-	b 5/6	b 6/6

LF851 Gas Taps, as above, but screwed for $\frac{1}{4}$ in. branch.

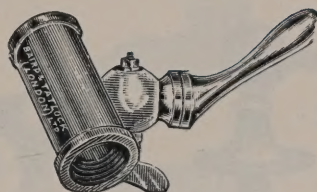
Main screwed for	....	$\frac{3}{8}$ in.	$\frac{1}{2}$ in.	$\frac{3}{4}$ in. gas pipe.
Price	....	b 5/6	b 6/-	b 7/-

LF852 Gas Leads, with base to screw to bench, inlet screwed for $\frac{1}{8}$ in. gas pipe each b £0 3 0
These are used with the gas stopcocks, Figs. LF848-LF851.

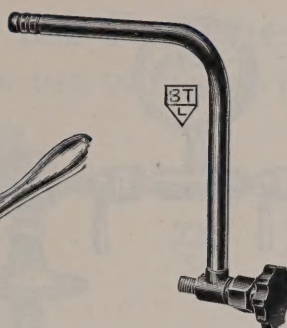
LF853 Gas Leads, as above, but base screwed for $\frac{1}{4}$ in. gas pipe each b £0 3 6



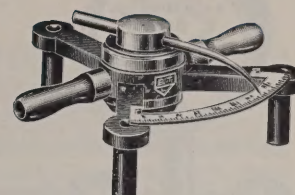
Method of Adapting Gas Tap
No. LF855 to Bench.



LF855

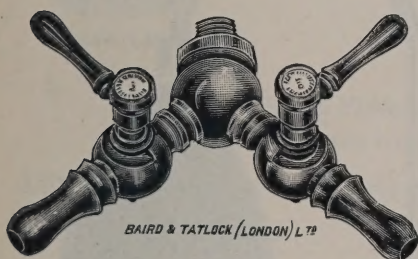


LF856

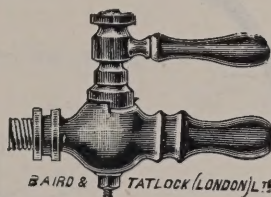


LF857

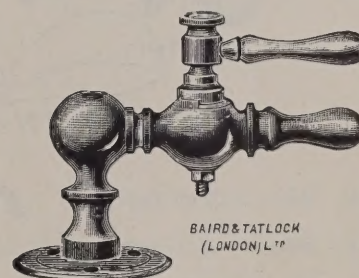
- LF855 Gas Tap**, of gun-metal, for fixing under ledge of bench to $\frac{1}{2}$ in. supply pipe with nozzle to project through bench top as illustrated each *b* £0 6 0
- LF856 Fine Adjustment Tap** to fit on front of bench with bent nozzle leading to bench top, each *c* £0 11 6
- LF857 Gas Regulating Valve** fitted with divided quadrant and pointer ,, *c* £1 10 0



LF858



LF859



LF860

- LF858 Gas Taps**, double-way, brass black bronzed, with lever handles, large size, for use with combustion and muffle furnaces, etc. :

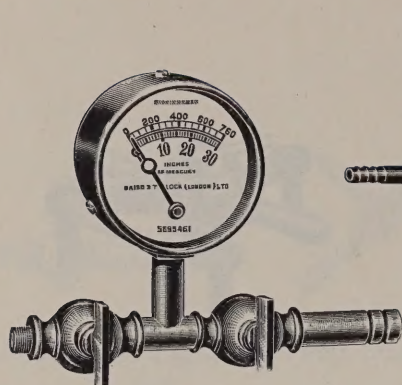
Bore of Tap	....	....	$\frac{3}{8}$ in.	$\frac{1}{2}$ in.
Screwed to fit	....	....	$\frac{1}{2}$ in.	$\frac{3}{4}$ in. gas barrel.
Price	....	....	<i>b</i> 15/-	<i>b</i> 19/- each.

- LF859 Gas Taps**, large sizes, single-way, brass black bronzed, with lever handle for use with combustion and muffle furnaces, etc. :

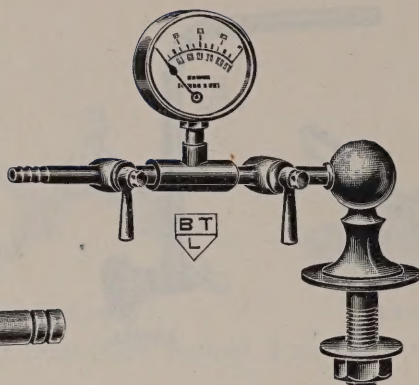
Bore of Tap	....	....	$\frac{1}{4}$ in.	$\frac{3}{8}$ in.	$\frac{1}{2}$ in.
Screwed to fit	....	....	$\frac{1}{4}$ in.	$\frac{3}{8}$ in.	$\frac{1}{2}$ in. gas barrel.
Price	....	....	<i>c</i> 4/6	<i>c</i> 6/6	<i>c</i> 10/- each.

- LF860 Gas Taps**, large sizes, single-way, brass black bronzed, with lever handle for use with combustion and muffle furnaces, etc., with base to screw to bench :

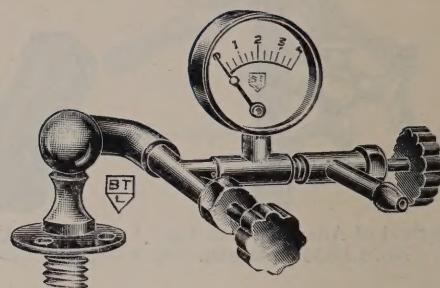
Bore of Tap	....	....	$\frac{1}{4}$ in.	$\frac{3}{8}$ in.	$\frac{1}{2}$ in.
Screwed to fit	....	....	$\frac{1}{4}$ in.	$\frac{3}{8}$ in.	$\frac{1}{2}$ in. gas barrel.
Price	....	....	<i>b</i> 8/-	<i>b</i> 10/-	<i>b</i> 13/6 each.



A LF861 B

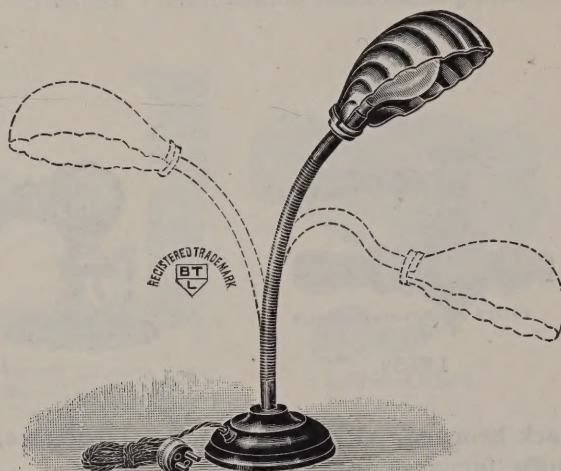


LF862

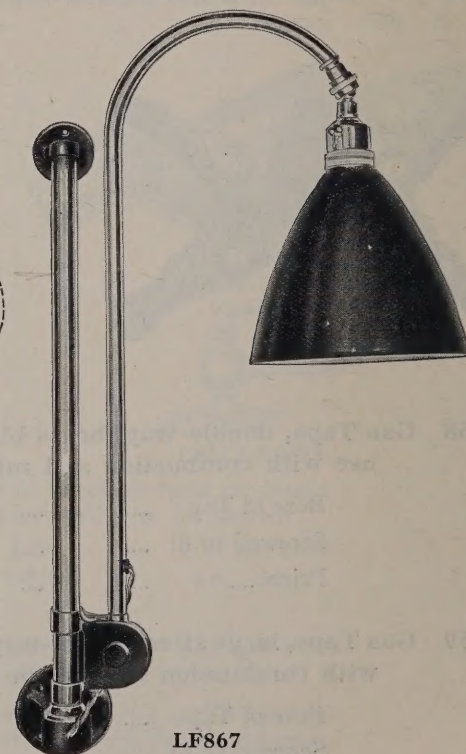


LF863

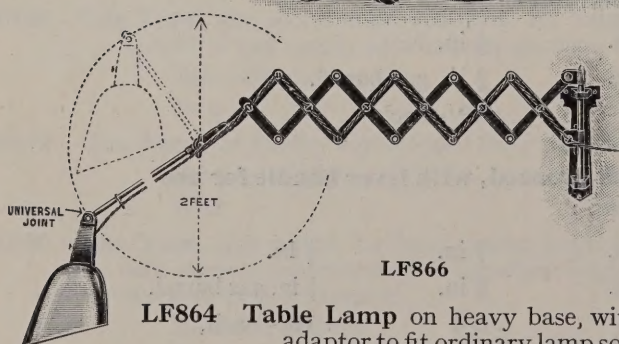
- LF861 Vacuum Taps**, complete with gauge and two three-way stopcocks, A closes exhaust supply and opens gauge to exhausted vessel. B opens to air. Guaranteed vacuum tight each c £2 15 0
- LF862 Vacuum Tap**, with gauge as above, but to screw to bench c £3 0 0
- LF863 Vacuum Tap**, in brass nickel-plated, with best quality screw-down needle valves and vacuum gauge tap with plate to screw to bench each c £3 3 0



LF864



LF867

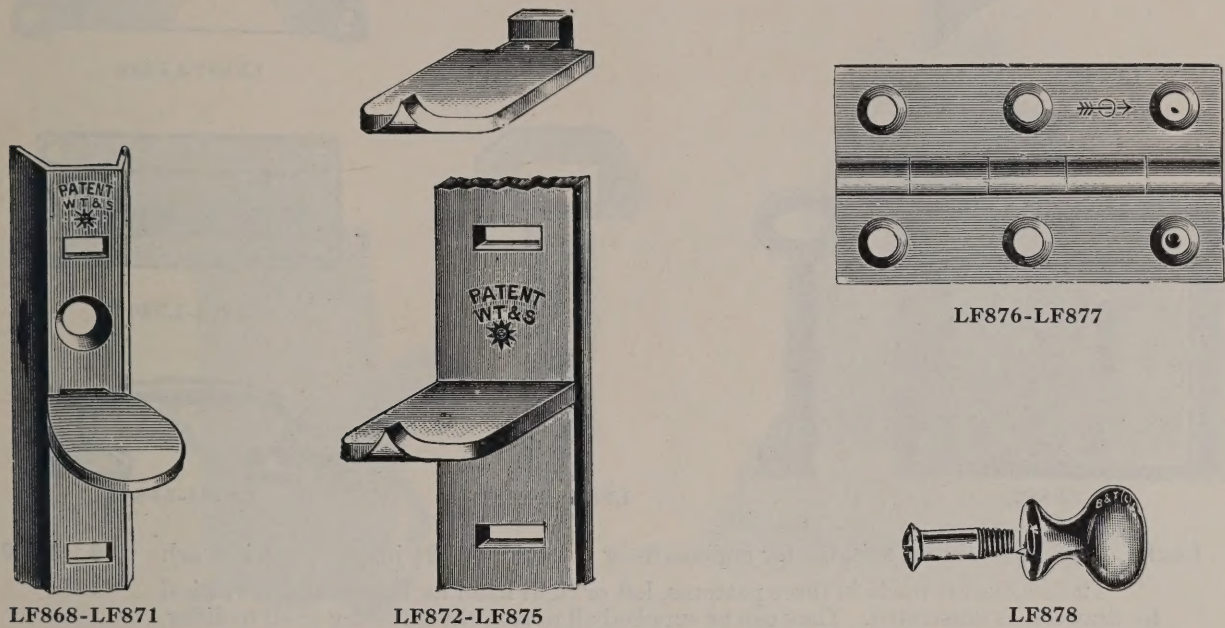


LF866

- LF864 Table Lamp** on heavy base, with flexible metal stem, lamp and reflector and adaptor to fit ordinary lamp socket. (Please state voltage when ordering) c £1 17 6
- LF866 Radialite Electric Light Arm**. Suitable for bench lighting. The adaptability of this arm enables the light to be placed at any point within a 7 ft. circle. Fitted with aluminium reflector, switch, lampholder, 3 yds. flex and lamp adaptor, oxidized copper finish, all as illustrated each c £2 2 0
- LF867 Bestlite Electric Light Bracket**, with universal movements, minimum projection 9 in., maximum projection 20 in. Vertical slide 12 $\frac{3}{4}$ in. Fitted with 6 in. aluminium reflector blacked outside, finish chromium plate and black, wired with push bar lampholder each c £1 15 0

Fittings and Furniture for Benches, Cupboards, etc.

SUITABLE FOR USE IN LABORATORIES.

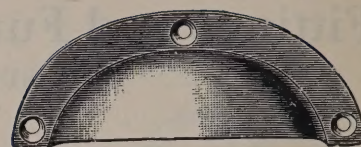


Patent Shelf Fittings, adapted for cupboards in which position of shelves has to be altered from time to time.

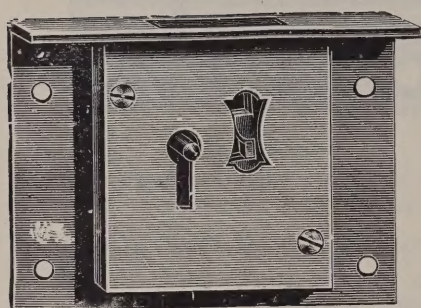
LF868	Steel Strip, projecting pattern, in 6 ft. lengths	....	....	....	per length	c £0 4 0
LF869	Steel Plates	....	....	....	per doz.	c £0 1 0
LF870	Brass Strip, projecting pattern, in 6 ft. lengths	....	....	....	per length	c £0 7 0
LF871	Brass Plates	....	....	....	per doz.	c £0 1 6
LF872	Steel Strip, flush pattern, in 6 ft. lengths	....	....	....	per length	c £0 1 9
LF873	Steel Plates	....	....	....	per doz.	c £0 0 9
LF874	Brass Strip, flush pattern, in 6 ft. lengths	....	....	....	per length	c £0 6 0
LF875	Brass Plates	....	....	....	per doz.	c £0 1 3
LF876	Butts or Hinges, brass, solid machine-made.					
	Length	....	2	2½	3 in.	
	Width open	....	1½	1¾	1½ in.	
	Price	....	c 4/6	c 6/9	c 11/- per doz. pairs.	
	„	....	c 3d.	c 4d.	c 6d. each.	
LF877	Butts or Hinges, gun-metal, solid machine-made.					
	Length	....	2	2½	3 in.	
	Width open	....	1½	1¾	1½ in.	
	Price	....	c 8/3	c 12/-	c 20/- per doz. pairs.	
	„	....	c 5d.	c 7d.	c 11d. each.	
LF878	Knob, gun-metal, with rose and screw, suitable for cupboards or drawers, each					c 2/6 ; c 28/- per doz.



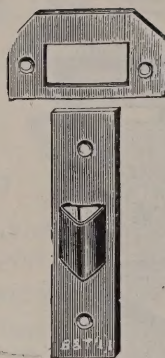
A	LF900	B	C
1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24
25	26	27	28
29	30	31	32
33	34	35	36
37	38	39	40
41	42	43	44
45	46	47	48
49	50	51	52
53	54	55	56
57	58	59	60
61	62	63	64
65	66	67	68
69	70	71	72
73	74	75	76
77	78	79	80
81	82	83	84
85	86	87	88
89	90	91	92
93	94	95	96
97	98	99	100



LF887-LF888



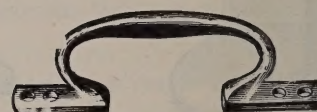
LF880



LF884-LF885



LF890-LF891



LF893-LF894

LF880 Locks, brass, three-lever, suitable for cupboards or drawers, size 2½ in. Price each *c* **£0 4 0**

These locks are made in three patterns, left or right hand for cupboards, or vertical for drawers, as illustrated. They can be supplied all to pass the same key or all to differ, in sets or singly. Master Keys can be supplied at a cost of 2/6 each.

LF881 Bolts, brass, suitable for bench cupboard doors and apparatus cupboards, etc.

Size	....	....	....	3 in.	3½ in.
Price	....	....	....	c 15/-	c 16/6 per doz.

LF882 Bolts, gun-metal, as above.

Size	3 in.	3½ in.
Price	c 30/-	c 32/- per doz.

LF884 Strong Spring Catches, brass, with cast striking plate, suitable for bench cupboard doors.
etc. per doz.

LF885	Strong Spring Catches, gun-metal, ditto, ditto				 per doz.	£0 12 0
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LF887 **Drawer Pulls or Handles**, brass, heavily lacquered, with rolled edge, size 4 in.
Price per doz. *c* £0 6 0

LF888	Drawer Pulls or Handles, gun-metal, ditto, ditto			Price per doz.	£0 12 0
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LF890	Flush Pulls , brass, heavily lacquered, for sliding doors, size 3½ in.	Price per doz.	£0 15 0
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LF891	Flush Pulls, gun-metal, ditto, ditto					Price per doz.	£1 10 0
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LF893 Sash Handle, Cranked, brass, heavily lacquered for fume cupboards, size 6 in.
Price per doz. **£0 16 0**

LF894	Sash Handle, Cranked, gun-metal, ditto, ditto			Price per doz.	£1 12 0
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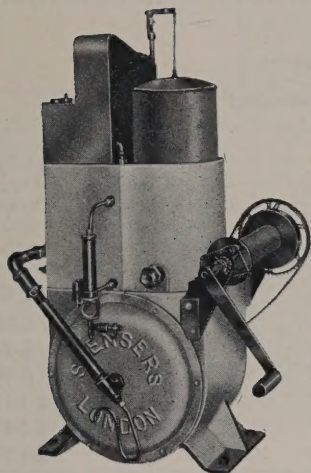
LF900 Galvanized Iron Cantilevers, for slate shelves, balance tables, etc., length B to C $5\frac{1}{4}$ in.

Size No.	1	2	3	4	5	6	7	8	9	10	11	12
Length A to B	5	8	11	13	15	16	18	19	20	22	25	28 in.
Price	<i>c</i> 1/6	<i>c</i> 2/6	<i>c</i> 3/-	<i>c</i> 6/8	<i>c</i> 7/6	<i>c</i> 8/6	<i>c</i> 9/6	<i>c</i> 10/-	<i>c</i> 10/6	<i>c</i> 11/-	<i>c</i> 12/6	<i>c</i> 14/-

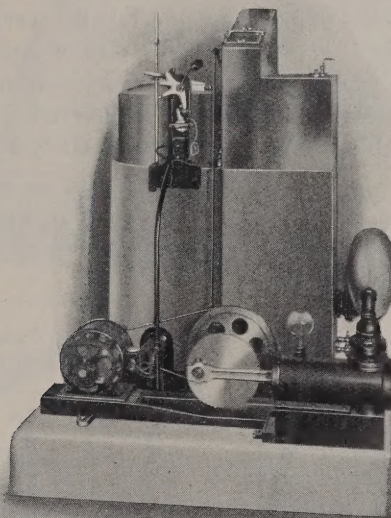
LF901	Spring Ball Catch with striking plate, for cupboard doors, etc.		Price per doz.	c	£0 3 6
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Silverlite Gas for Laboratories

No. LF910



Weight driven type.



Electrically driven type.

General.—These Generators are well designed—substantially built, principally of Cast-iron and Copper, and will last a generation practically without renewals. They are automatic, starting and stopping entirely according to load.

Fuel.—Petrol—ordinary No. 1 grade for warm climates ; vaporising spirit .680 sp. gr. is best for Great Britain.

The Gas.—The gas is supplied through pipes in a similar way to that of coal gas, and is non-deleterious and non-asphyxiating.

Types.—The weight-driven type is fitted with a patent winding gear enabling the generator to be wound at any time without affecting the supply. The electric driven type is fitted with a one-sixth H.P. motor up to 150 lights and $\frac{1}{4}$ H.P. for larger sizes ; the only attention is the filling with petrol.

Value of Gas.—Approximately twice the volume of Petrol Gas is required to perform the same service as coal gas, and 600 ft. of gas is produced from 1 gallon of petrol.

The water-driven type work off the ordinary mains 25 lbs. pressure, and take 100 gallons water for 1000 cub. ft. gas.

All Generators are supplied complete.

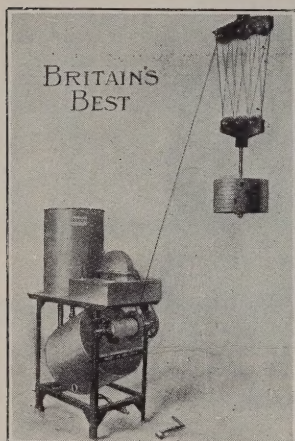
Capacity.		Weight-driven.	Electric-driven.	Water-driven.
Bunsen's Medium Size. No. 2.	Cub. Ft. per hour.			
18	140	Type. S e £75 0 0	Type. — —	Type. — —
25	200	T e £90 0 0	— —	— —
38	300	V e £105 0 0	VE e £110 0 0	C e £120 0 0
50	400	W e £120 0 0	WE e £125 0 0	D e £150 0 0
76	600	X e £150 0 0	XE e £150 0 0	E e £175 0 0
125	1000	Y e £250 0 0	YE e £250 0 0	— —
150	1200	— Weights and supports for same extra.	PF e £300 0 0	F e £340 0 0
250	2000	—	PG e £425 0 0	— —

For suitable burners to use with Silverlite Gas see SC840 et seq.

Page 77

“Aerogen” Petrol-Air Gas

This is an old-established system, and the plants have always operated on a “Rich” Mixture Petrol Gas, which is essential for Blowpipes, Flat Flames, and most Laboratory Burners. Very soundly constructed to give long and reliable service, foolproof, and safe under all conditions. The principal features are: the “Rich” Gas of high heating value; the even nature of the mixture under fluctuating loads, due to the rotary carburettor and finely graduated petrol feed; and the abundant pressure at which the gas is delivered. This unique combination results in the production of a gas comparable in efficiency to best quality Town Gas.



LF911

LF911 Weight-driven Plant. Prices and Particulars.

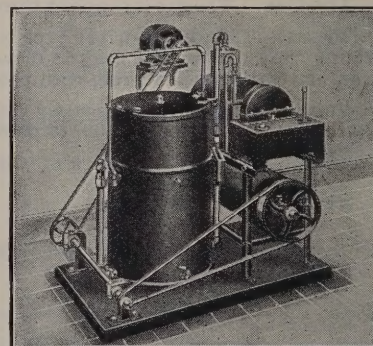
Size.	Capacity in Burners.			Driving Weight with 6" x 6" Pulley Blocks approx.	PRICE. Including 6" x 6" Pulley Blocks, Steel Cable, Winding Handle.
	50 Candle Power.	25 Candle Power.	Laboratory Bunsen.		
0	15	25	10	3 cwt.	f £50 0 0
1	22	35	14	6 "	f £60 0 0
2	30	55	20	9 "	f £75 0 0
3	50	80	40	12 "	f £90 0 0
4	90	160	70	16 "	f £115 0 0
5	140	220	100	20 "	f £145 0 0
6	245	425	170	30 "	f £190 0 0

Weights are not included in above prices, but a neat cast iron multiple circular disc weight costs 12/6 per cwt. If 8" x 8" Pulley Blocks (ball bearings, size 3 to 6 plant) are used an extra £5 is charged, and about one-third more weight is necessary.

LF912 Standard Electric Motor-driven Plant.

Size.	Capacity. Cub. ft. per hour.	PRICE, including Motor.
3	300	f £95 0 0
4	600	f £150 0 0
5	900	f £200 0 0
6	1200	f £300 0 0
8	1750	f £450 0 0
10	2250	f £575 0 0

Larger plants can be constructed.
($\frac{1}{4}$ and $\frac{1}{2}$ H.P. motors fitted.)

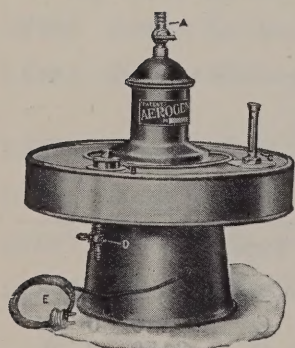


LF912

LF913 Portable Electric Motor-driven Plant. Suitable for 20 Bunsens f £21 0 0

(Consumption of motor, 50 watts.)

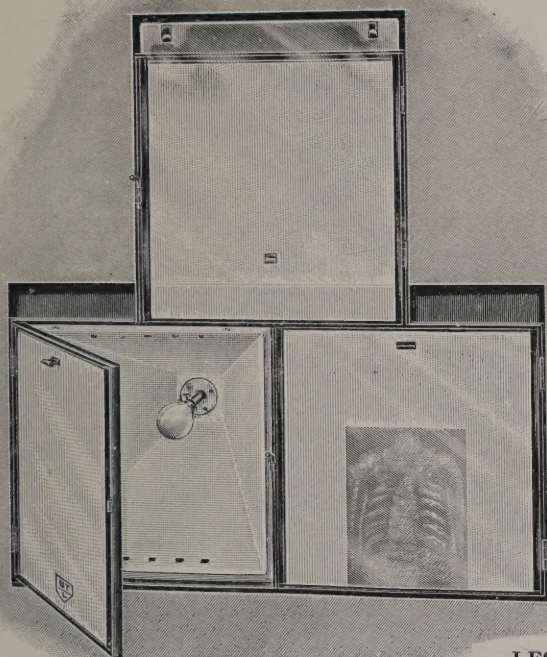
Weight- and Standard Electric Motor-driven Machines
guaranteed FIVE YEARS. Made in London.



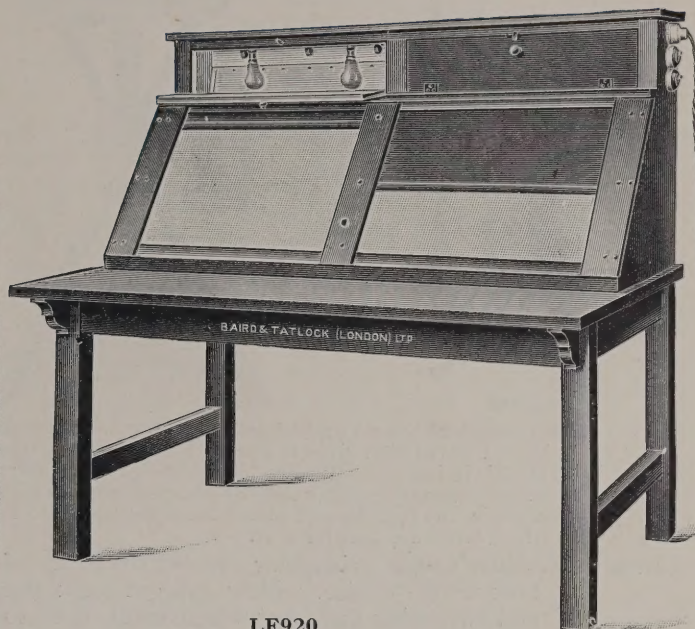
LF913

BURNERS FOR USE WITH “AEROGEN” GAS.

Most of the types of burners used with ordinary coal gas can be supplied, including Bunsen Burners, Safety Burners, Flat Flame Burners, Ring Burners and Blowpipes, also burners for muffle and combustion furnaces. Particulars and prices on application.



LF918



LF920

X-Ray Negative Viewing Screens, as fitted in the new surgical block, St. Bartholomew's Hospital, designed by Messrs. Lankaster & Lodge, Architects.

The screens are specially designed to prevent the film curling. The films are easily placed in position by raising the outer glass a few inches and slipping the film between it and the ground glass back. The whole front is hinged to give access to the lamp, which is fitted in a specially designed cone to give even distribution of the light. Supports are provided on the front of the glass so that wet films in their carriers can also be studied. The screens are made in various types, either singly or in sets of 2, 3 and 4, the illustration being a set of 3. They are also made in two depths back to front to suit the thickness of wall or the recess into which they have to be fixed. Where there is a deep recess, the type with one lamp only, as illustrated, can be fitted, while if the depth will not allow, the shallow type with four lamps must be fitted to obtain even illumination over the film. The whole screen is designed to fit as flush with the wall as possible, all external metal work is heavily chromium plated, and each opening is fitted with ground glass back screen and sliding plate glass front screen to enable the film to be inserted.

LF918	Price for single screen, suitable for deep recess, fitted with 1 lamp	....	....	....	a	£18	0	0
LF918A	Price for set of 2, suitable for a deep recess, fitted with 1 lamp to each opening	....	....	....	a	£29	0	0
LF918B	Price for set of 3, suitable for deep recess, fitted with 1 lamp to each opening as illustrated	....	....	....	a	£42	0	0
LF918C	Price for set of 4, suitable for a deep recess, fitted with 1 lamp to each opening	....	....	....	a	£50	0	0
LF918D	Price for single screen, suitable for shallow recess, fitted with four lamps	....	....	....	a	£18	10	0
LF918E	Price for set of 2, suitable for shallow recess, fitted with 4 lamps to each opening	....	....	....	a	£30	10	0
LF918F	Price for set of 3,	ditto	ditto	....	a	£44	0	0
LF918G	ditto 4,	ditto	ditto	....	a	£53	0	0
LF918H	Rheostat, suitable for dimming light if one opening is to be used with faint films	....	....	....	c	£1	0	0

LF920 Viewing Cabinet for X-Ray Film, as illustration, 5 ft. long, constructed in American whitewood finished dead black, supported on strong leg frame with table space in front of viewing portion. Viewing portion consisting of opal glass screens with dark opaque blind to pull down and remain in any required position. Wired for 4 electric lamps with plug and 2 switches at one end. The shape of the viewing portion of the cabinet allows the film to lie back flat on the viewing portion when the top is placed under the dark blind and thus prevents curling: the film supporting rail is so arranged that it is suitable for dry film or wet films in holders, and allows maximum illumination to the film. The reflector inside the cabinet is specially designed to give a strong even illumination on the film. Price as illustrated

.... d £26 5 0

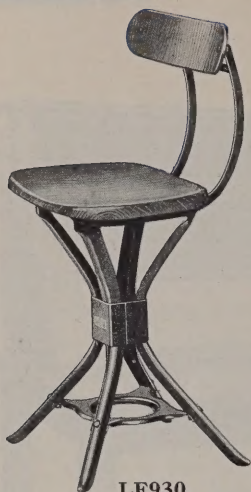
(Other sizes made to order.)

LF920A Suitable Lamps for above each d £0 5 4

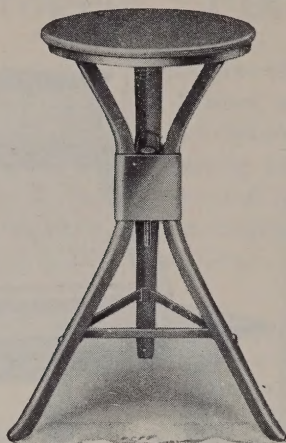
(Please state voltage when ordering.)

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Evertaut Steel Stools and Chairs



LF930



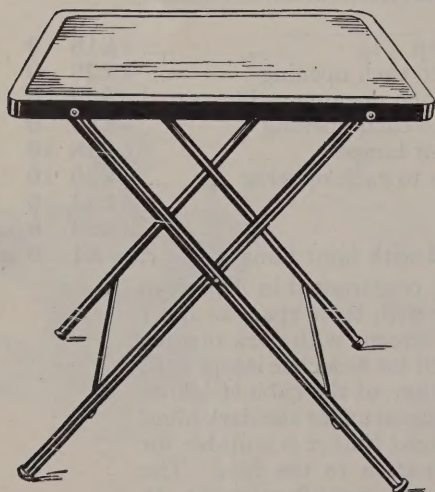
LF932



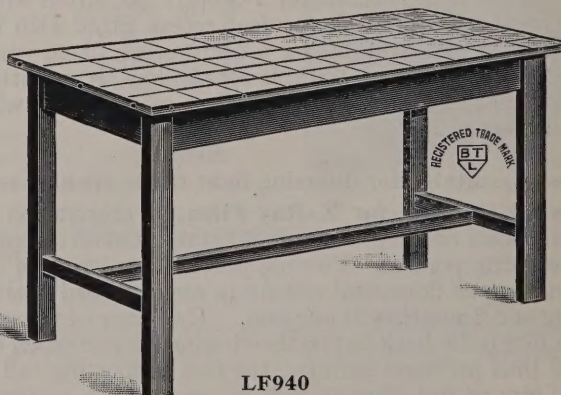
LF934

Evertaut Steel Stools and Chairs are designed and built to outlast several wooden ones. The triangulated construction gives to the stools and chairs a strength as of a modern bridge. The pressed "L" steel is in itself the sturdiest of lightweight sections; the trussing of this and the final locking of the whole structure in the patented wedge-shape locking device ensures lasting rigidity. By tightening a single nut two flanged plates are drawn into the taper formation of the framework, wedging the whole structure taut for ever.

- LF930 Evertaut Chair**, triangular pressed steel "L" shaped framework, locked in patent Evertaut wedge device, widely splayed legs; shaped varnished wooden seat 12 in. diam. and swivelling back rest which adapts itself to the workers sitting posture. Sizes 19 in., 21 in., 23 in., 25 in., 27 in. and 29 in. Price for all heights, each **e£0 12 6**
- LF932 Evertaut Stool**, lightweight with three leg framework. Sizes 19 in., 21 in., 23 in., 25 in., 27 in. and 29 in. Colour—Admiralty grey. Price for all sizes, each **e£0 5 9**
- LF934 Evertaut Stool**, revolving and adjustable. Triangulated "L" steel framework, with patented locking device housing a heavy section square thread screw. Varnished wooden seat 12 in. diameter. Price each **e£0 13 9**
- LF936 Folding Table**; a strong, rigid, hygienic table which can be stored in a small space when not in use. Specification—Porcelain enamelled iron top of excellent finish. Strong tubular folding frame and legs finished in best hard stove enamel. Collapsible legs can be easily folded back. Rigid in use. Two standard finishes—white tops with black edges and black frame and white tops with green edges and green frame.



Sizes	24 in. by 20 in.	24 in. by 24 in.	30 in. by 20 in.
Price	e£1 2 6	e£1 3 6	e£1 14 6 each.



LF940

LF940 Tiled-top Tables, on oak frame, for mixing food, etc. These tables are made in various sizes to suit individual requirements, and can be supplied with plate-glass top if so desired.

Sizes		3 ft. by 2 ft.	4 ft. by 2½ ft.	5 ft. by 3 ft.
Price		e£4 10 0	e£4 17 6	e£6 15 0 each.

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THE UNIVERSITY PRESS, GLASGOW



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